SONY

TUNER BASE UNIT

MB-806A

CE Model

UHF SYNTHESIZED TUNER UNIT

WRU-806A

CE Model
AU Model

SERVICE MANUAL

1st Edition

⚠警告

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お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

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SONY

3-867-235-21(1)

Tuner Base Unit

Operating Instructions GB
Bedienungsanleitung DE
Wireless Channel Lists/Übertragungskanallisten

MB-806A

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CE AU

Section 1
Operating Instructions

This section is extracted from operation manual.

MB-806A (CE)

English

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

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Precautions

On operation

- The tuner must be used within a temperature range of 0°C to 40°C. Avoid using the tuner for extended periods at extremely high temperatures or placing it in direct sunlight, especially outdoors, because this may damage the finish of the case. Never install the tuner on or near a heat source, such as lighting equipment or power amplifiers.
- Avoid using in very humid or dusty places, because such use may shorten the life of the tuner.
- To avoid degradation of the signal-to-noise ratio, do not use the tuner in noisy places or in locations subject to vibration, such as the following:
  - near electrical equipment, such as motors, transformers or dimmers
  - near air conditioning equipment or places subject to direct air flow from an air conditioner
  - near public address loudspeakers
  - where adjacent equipment might knock against the tuner
- Switching lights on or off may produce electrical interference over the entire frequency range. Position the tuner and the wireless microphones so that interference is minimized.
- The tuner is precisely adjusted at the factory and no adjustment before use is necessary. Do not touch the inside of the tuner or try to repair it by yourself.

On cleaning

Clean the tuner with a dry, soft cloth. Never use thinner, benzene, alcohol or any other chemicals, since these may damage the finish.

Overview

These operating instructions describe the MB-806A Tuner Base Unit in which the optional WRU-806A UHF Synthesized Tuner Unit is installed.

The unit is a reliable UHF synthesized diversity tuner for the 800-MHz-band Sony UHF wireless microphone system which uses the frequency bands allocated for UHF TV broadcasting.
This tuner is designed to enable simultaneous use of multiple channels when channels are selected according to the channel plan.
Installing six WRU-806A UHF Synthesized Wireless Tuner Units will enable six-channel operation on the tuner.
In building up a UHF wireless microphone system, be sure to combine a microphone/transmitter and a tuner having the same TV channel number (62 or 69).

CE62 model
A 14 MHz frequency band is assigned to the MB-806A with WRU-806A (CE62) model, permitting it to operate on any of 111 receiving frequencies in 125-kHz steps of Sony original channel plan or 561 receiving frequencies in 25-kHz steps of German User Group in the range of TV channels 62 and 63.

The selectable wireless channels and frequencies for this model are listed pages L-3 through L-8.

CE69 model
An 8 MHz frequency band is assigned to the MB-806A with WRU-806A (CE69) model, permitting it to operate on any of 64 receiving frequencies in 125-kHz steps of Sony original channel plan in the range of TV channel 69 or 14 receiving frequencies in 25-kHz steps of UK General Use.

The selectable wireless channels and frequencies for this model are listed on page L-9.

AU66 model
An 14 MHz frequency band is assigned to the MB-806A with WRU-806A (AU66) model, permitting it to operate on any of 102 receiving frequencies in 125-kHz steps of Sony original channel plan in the range of TV channel 66 and 67.

The selectable wireless channels and frequencies for this model are listed on pages L-10 and L-11.

Features

Phase Locked Loop (PLL) synthesized system

The tuner has a refined phase locked loop (PLL) synthesizer circuit.

Preprogrammed wireless channel plan for simultaneous multichannel operation

The tuner has many preprogrammed, easily settable channels for simultaneous multichannel operation.

Modular multichannel reception

By installing optional WRU-806A UHF Synthesized Tuner Units, you can receive up to six channels on one MB-806A unit.

Versatile display

A liquid-crystal display provides a variety of information, including the levels of the reception channels, RF information and transmitter battery alarm.

Space diversity reception system

The tuner provides stable signal reception with minimum dropout.

Tone squelch circuit for noise elimination

A built-in squelch circuit eliminates noise and signal interference when the tuner is in signal reception standby mode.

Compander system

A compander (compressor/expander) system enables stabilized wireless transmission over a wide dynamic range.

Rack mounting

The MB-806A can be mounted in an EIA standard 19-inch rack (1 U size).

System Configuration

The tuner can be used with a Sony UHF synthesized wireless microphone or UHF synthesized transmitter among the models listed in the table below.

Sony 800 MHz-band system models

CE62 and CE69 model

Frequency band		Model name	
TV channel	Frequency (MHz)	Transmitter or microphone	Tuner
62	800.000 to 814.000	WRT-805A (62) WRT-807A (62) WRT-822A (62)	WRR-805A (62) WRR-802A (62) MB-806A with WRU-806A(62)
69	854.125 to 862.000	WRT-805A (69) WRT-807A (69) WRT-822A (69)	WRR-805A (69) WRR-802A (69) MB-806A with WRU-806A(69)

AU66 model

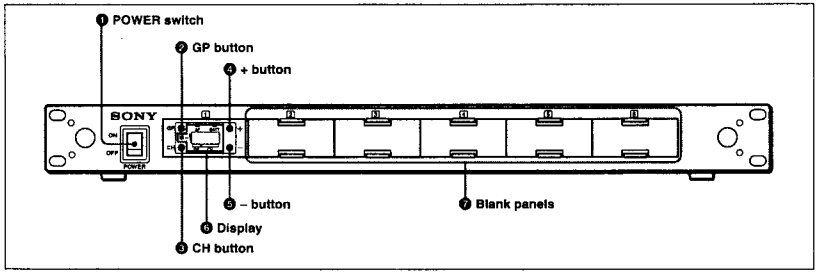
Frequency band		Model name	
TV channel	Frequency (MHz)	Transmitter or microphone	Tuner
66	792.250 to 798.500	WRT-805A (66) WRT-807A (66) WRT-810A (66) WRT-820A (66)	WRR-805A (66) WRR-802A (66) MB-806A with WRU-806A (66)
67	799.250 to 805.500	WRT-822A (66) WRT-830A (66) WRT-860A (66) WRT-867A (66)	WRR-810A (66) WRR-820A (66) WRR-840A (66) WRR-850A (66) WRR-855A (66) WRR-860A (66)

Channel Plan

The tuner stores several groups of channels. See "Overview of Channel Plan" in the "Wireless Channel Lists" section.
Channel groups other than group 00 are designed so that all channels of one group can be used simultaneously within the same UHF wireless microphone system without causing intermodulation. It is therefore recommended that you usually use a channel group other than group 00 unless the use of group 00 is specifically necessary.

Location of Parts and Controls

Front Panel



❶ POWER switch
Turns the power on and off.

❷ GP (group) button
To change the group, press the + or – button while holding this button down.

❸ CH (channel) button
To change the channel in a group, press the + or – button while holding this button down.

❹ + button
To go to a higher group or channel, press this button while holding the GP or CH button.
Press this button changes the indication from GP/CH to frequency.

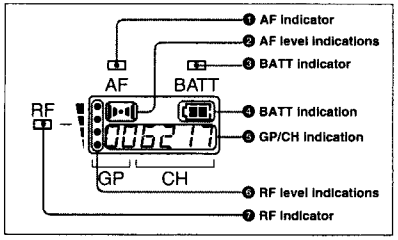
❺ – button
To go to a lower group or channel, press this button while holding the GP or CH button.

❻ Display
Displays the status of the tuner and the group and channel assigned to the unit.

For details, see the following section "Display".

❼ Blank panels
Remove these panels to install optional WRU-806A UHF Synthesized Tuner Units.

Display



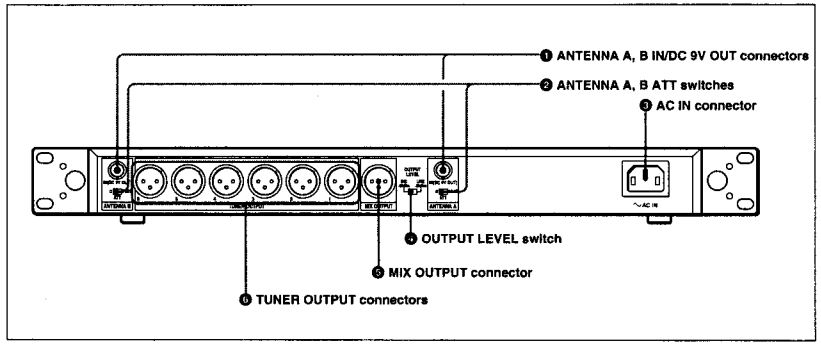
❶ AF (audio frequency) indicator
❷ AF (audio frequency) level indications
The indicator lights and the indications appear when the audio output level is higher than the reference level.

❸ BATT (battery) indicator
❹ BATT (battery) indication
Indicate the condition of the wireless microphone transmitter batteries. The indicator and indication appear and start flashing about one hour before the transmitter batteries go flat.
The time at which flashing begins will depend on the type of battery used in the transmitter, and its condition.

❺ GP/CH (group/channel) indication
Shows the reception channel group and respective channel number.
Pressing the + button changes this indication to the frequency indication.

❻ RF (radio frequency) level indications
❼ RF (radio frequency) indicator
The indicator lights and the indications (dots) appear when the antenna reception is optimal. Depending on the RF input level, the number of dots changes.

Rear Panel


❶ ANTENNA A, B IN/DC 9V OUT connectors
❷ ANTENNA A, B ATT switches
❸ AC IN connector
❹ OUTPUT LEVEL switch
❺ MIX OUTPUT connector
❻ TUNER OUTPUT connectors

❶ ANTENNA A, B IN/DC 9V OUT (antenna A, B input/DC power output) connectors (BNC type)
Connect the supplied antenna or an optional AN-820A UHF Antenna. To connect two of these units, these connectors are connected to the ANTENNA OUT connectors of the WD-820A UHF Antenna Divider. When the AN-820A is connected, 9 V DC power is supplied to the antenna's internal booster through these connectors.

Note
Never short-circuit these connectors.

❷ ANTENNA A, B ATT (attenuation) switches
Select the RF attenuation as 0 dB or 10 dB.
Usually set the switches to 0 dB. If noise generates or sound discontinues due to interference, set the switches to 10 dB.
It is recommended that you set the switches as follows depending on the antennas connected to the ANTENNA A, B IN/DC 9V OUT connectors.
Using the supplied antenna: 0 dB
Using an optional AN-820A UHF Antenna (with a WD-820A Antenna Divider): 10 dB when the coaxial cable (5D-2V, RG-212/U or equivalent) connecting the antennas and tuner is 30 m (100 feet) or less, or 0 dB when the cable is over 30 m (100 feet)

❸ AC IN connector
Connects to an AC power source with the supplied AC power cord.

❹ OUTPUT LEVEL switch
Selects the mixed output level and tuner output level as –20 dBm or –58 dBm. (0 dBm = 0.775Vrms)
Set this switch according to the input level of the equipment connected to the unit.

❺ MIX OUTPUT connector (XLR type)
Supplies mixed audio signals of six tuner units. You can connect this to the audio input connector of a mixer, amplifier or similar equipment.

❻ TUNER OUTPUT (tuner sound output) (XLR type)
Each connector supplies the audio signal from the corresponding tuner unit. You can connect this to the audio input connector of a mixer, amplifier, or similar equipment.

Installing a WRU-806A Tuner Unit

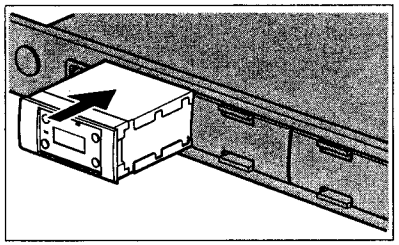
Up to six WRU-806A UHF Synthesized Tuner Units can be installed.

Notes

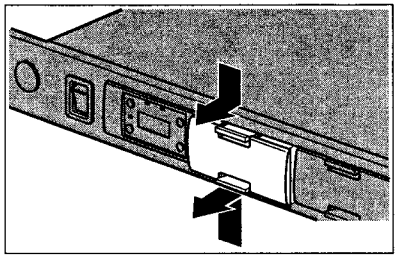
- Be sure to power this unit off before installing the WRU-806A.
- The buttons and display on the front panel of the WRU-806A may be damaged if they are gripped too strongly. Always hold the WRU-806A by the side.
- Do not touch the connectors on the rear panel of the WRU-806A.
- Be careful of static electricity.

Installing a WRU-806A

1 Hold the WRU-806A by the side and insert into the slot. Push in until you hear a click.

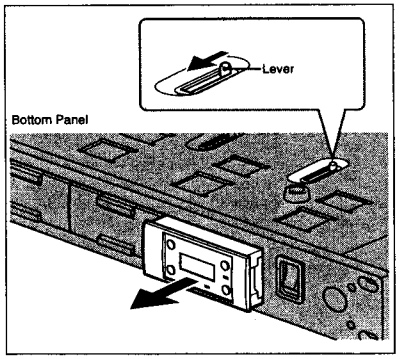


2 To install two or more units, detach the necessary number of blank panels by pushing in the top and bottom tabs of each panel and pulling the panel out. Then do step 1 for each unit.



Removing a WRU-806A

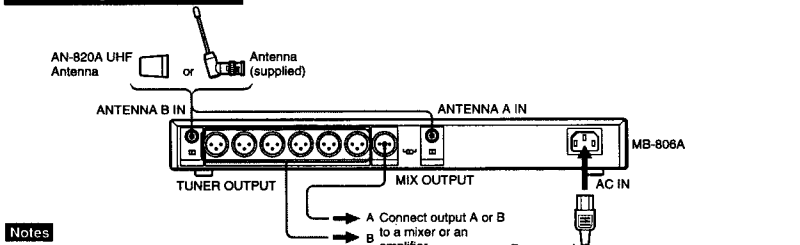
On the bottom panel of the tuner, locate the lever corresponding to the slot where the WRU-806A is installed and pull the lever forward. The WRU-806A is ejected from the slot.



Connections

Basic Connections

When using 1 to 6 channels

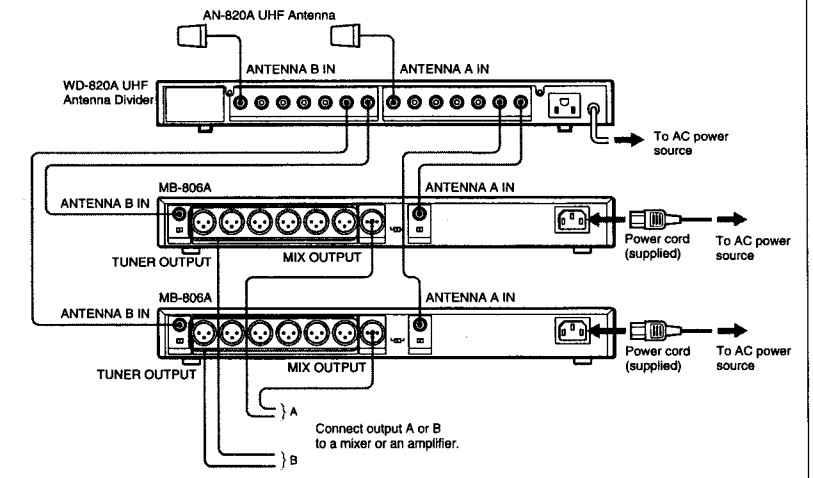


Notes

- Make sure to use a pair of antennas.
- Make the antenna tips point upward.

Connection for Multichannel Operation

When using 7 channels or more

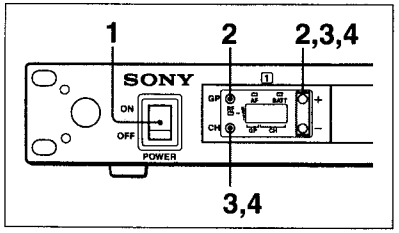


Channel Setting

Here is explained channel setting for the CE62 model as an example.

Take the following precautions to prevent interference and noise.

- If there is a TV broadcasting station nearby, to avoid possible interference from its broadcasting, do not use that station's channel.
- When simultaneously using two or more tuners, always set the tuners to different channels within the same group (other than group 00).



1 Turn the POWER switch on.

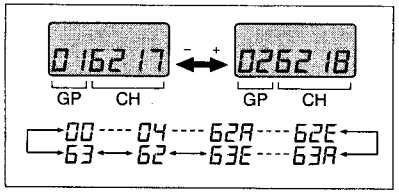
The message "CE62" appears on the display, and then the current tuner status is displayed.

Note

Turn the POWER switch on after reducing the volume of equipment connected to the TUNER OUTPUT connector. Otherwise, noise will be heard when the power is turned on.

2 Press and hold down the GP button, and press the + or – button to select a group.

Each time you press the + or – button, the GP indication changes as shown in the following figure. To change the indication continuously, press and hold down the + or – button.

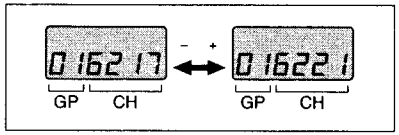


The CH indication shows the lowest frequency channel of the selected group. For group 00, however, the channel selected last is displayed. Releasing the buttons automatically cancels the group and channel selection mode, and the currently displayed group is selected.
For the CE69 model, the indication will cycle from group 00 through H. For the AU66 model, the indication will cycle from group 00 through H2.

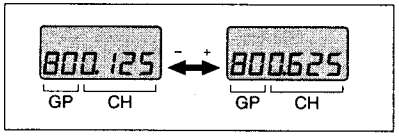
Refer to "Overview of Channel Plan" in the "Wireless Channel Lists".

3 Press and hold down the CH button, and press the + or – button in 3 seconds to select a channel.

Similar to step **2**, each time you press the + or – button, the CH indication changes in the order shown in the group and reception channel list. *(See "Wireless Channel Lists".)*
If you press the + button when the last channel of the selected group is displayed, the first channel of the group will be displayed.



Selecting the reception channel by frequency
Press the + button.
This changes the GP/CH indication to a frequency indication.
To change a frequency, press the + or – button while keeping the CH button pressed. (A higher or lower frequency will be displayed.)
Press the + button again to change the frequency indication to a GP/CH indication.



4 If the desired channel or frequency is displayed, release the CH button and + or – button.

The selected channel is set.

To store the selected group and channel
Leave the indication unchanged for 1 second.
The group and channel set in the procedure explained above are stored in memory.

Automatic Search and Setting of Available Channels

When you use the MB-806A Base Unit in a multi-channel operation system, you can assign available channels to all tuner units by operating the first tuner unit only.

Note

Auto channel assignment function is available only when the tuner base unit holds the tuner units in the same TV channels.

1 Power off all wireless microphones and transmitters.

2 On the first tuner unit, select the group to be used.

3 Press the CH button on the first tuner unit and hold it down for 3 seconds.

The first tuner unit searches for available channels in the selected group, and available channels in the group are so assigned to all tuner units automatically that two or more tuner units may not use the same channel.
After automatic setting, you can adjust the groups and channels of individual tuner units.

Notes

- Do not use group 00.
- If no channels are available, "NO CH" is displayed and channel setting is aborted.

When using two MB-806A Base Units

When you use two base units, proceed as follows to ensure that the two tuner units do not use the same channel settings.

1 Follow the procedure explained above to set the group and channel of the first base unit.

2 Power on the wireless microphones or transmitters after adjusting them to the channels of each tuner unit.

Note

If the microphones or transmitters are not powered on, the two tuner units may use the same channel twice.

3 On the first tuner unit of the second base unit, set the same group as selected on the first base unit.

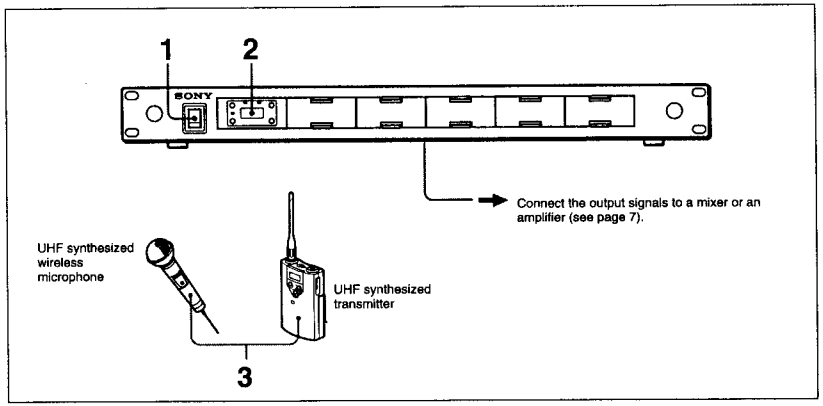
4 Press the CH button of the first tuner unit on the second base unit and hold it down for 3 seconds.

Available channels in the same group (channels not used by the first base unit) are automatically set on the first tuner unit and the other tuner units on the second base unit.

Note

If automatic channel setting dose not function well for the second base unit (due to poor reception), set channels manually for the second base unit.

Operation



1 Turn the POWER switch on.

Note

Turn the POWER switch on after reducing the volume of the equipment connected to the TUNER OUTPUT connector. Otherwise, noise will be heard when the POWER switch is turned on.

2 Set the reception channel.

For details on setting the channels on the tuner, see "Channel Setting" on page 8.

3 Turn on the wireless microphone or transmitter. Use the wireless microphone or transmitter to which the same channel is assigned as to the tuner.

If noise is heard

Depending on the environment where the system is installed, outside noise or radio wave may disrupt the transmission of certain channels.
To select a channel under this circumstance, turn off the wireless microphone and transmitter. Then select a channel at which the RF indicator is off. (A channel free from noise or radio wave interference is selected.) Set the same channel on the microphone or transmitter.

Note

To eliminate interference or noise, please note the following.

- Do not use two or more wireless microphones or transmitters whose wireless channels are the same.
- Separate the reception antennas and the transmitter by more than 3 meters.
- The number of wireless microphone channels actually usable in a multi-channel system may be smaller than the normal capacity of that system if there is interference from TV broadcasting or other RF signals.
- When operating two or more UHF wireless microphone systems using the same wireless channel in the same group, ensure that the systems are at least 100 m[1] apart as far as they are installed within sight of each other.

1) The distance depends on the operating environment and conditions.

Muting Functions

This tuner has the following three muting functions, which work in combination.

(1) Muting by RF input level

As sufficient S/N for the audio output may not be obtained if no RF signal is received or the RF input level is low, the audio output can be muted when the RF input level falls below the muting level.

(2) Tone squelch

The audio output is obtained only when the tuner receives an RF signal which includes a specified tone signal. The audio output is muted to eliminate noise which may be heard when the transmitter is turned on/off or the tuner receives an interference RF signal.

(3) Noise squelch

The audio output is muted to eliminate noise which may be heard when there is such excessive interference RF signal that the tone squelch does not work.

To turn off the muting functions

While holding down the GP and CH buttons, turn the POWER switch to ON. All indications momentarily appear, then go off. "OFF" is then displayed. This procedure cancels all three muting functions at the same time.

To turn on the muting functions

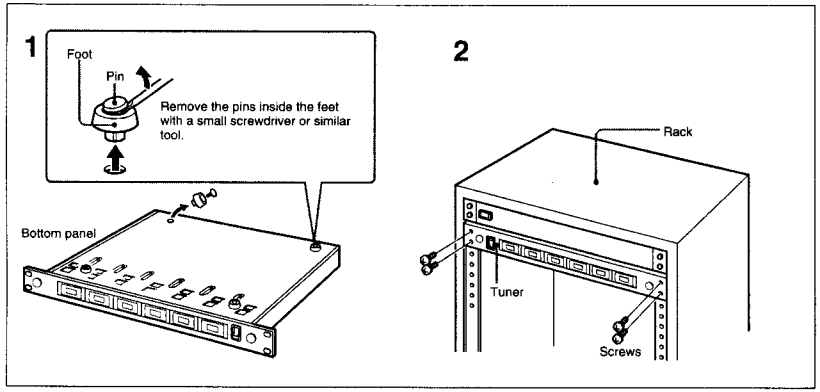
Turn the POWER switch to OFF, then to ON again. The three muting functions are activated at the same time.

Error Messages

Apart from the normal indications, the following error messages may appear on the display.

Message	Meaning	Remedy
Err 01	An error has occurred in the backup memory data.	The memory data is initialized. Reset the group and channel settings.
Err 02	The PLL-synthesized circuit has a malfunction.	Contact your nearest Sony dealer.
NO TONE	As no tone signal is available or a tone signal other than 32.768 kHz is being received, the audio signal output is muted.	Make sure thta the transmitter is turned on. If it is, then the problem lies in the transmitter's tone signal generator or the tuner's tone squelch circuit. Contact your nearest Sony dealer. If you are using a WRT-810A (AU66) wireless microphone, a "NO TONE" message appears when you turn off the AF switch, but this is normal.

Rack Mounting



1 Remove the feet of the tuner before mounting it on a rack.

2 Mount the tuner on the rack using screws that are at least 12 mm long and that match the diameter of the screw holes on the rack.

Specifications

Tuner (with WRU-806A)

Reception type F3E
Circuit system Dual conversion superheterodyne
Reception frequencies
CE62 model: 800.000 to 814.000 MHz
CE69 model: 854.125 to 862.000 MHz
AU66 model: 792.250 to 805.500 MHz
Local oscillators Crystal controlled PLL synthesizer
Selectivity 60 dB or more (at ±250 kHz detuned)
Spurious rejection ratio
70 dB or more
Image rejection ratio
60 dB or more
Muting level 30 dBμ[1)]
Antenna connectors
BNC-R type (2), 50 ohms
Frequency response
100 to 15,000 Hz ±3 dB
De-emphasis 50 μsec
Signal-to-noise ratio
40 dB or more at an A-weighted RF input level of 20 dBμ
60 dB or more at an A-weighted RF input level of 60 dBμ
(±5 kHz deviation at 1 kHz modulation)
Distortion 1% or less (±40 kHz deviation at 1 kHz modulation)
Tone signal frequency
32.768 kHz
Output level
LINE –20 dBm[2)] (±5 kHz deviation at 1 kHz modulation)
MIC –58 dBm (±5 kHz deviation at 1 kHz modulation)
Mix output level
LINE –20 dBm (±5 kHz deviation at 1 kHz modulation)
MIC –58 dBm (±5 kHz deviation at 1 kHz modulation)
Output impedance 150 ohms
Output connectors XLR-3-12C

General

Power requirements
100 to 240 V AC, 50/60 Hz
Power consumption
30 W
Power supply for antenna boosters
9 V DC (max. 100 mA)
Operating temperature
0°C to 40°C
Storage temperature
–20°C to +55°C
Dimensions 482 × 44 × 300 mm (w/h/d)
Mass Approx. 3.6 kg (without tuner units)

Accessories supplied

AC power cord (1)
Antennas (2)
Operating Instructions (1)

Design and specifications are subject to change without notice.

1) 0 dBμ = 1 μV
2) 0 dBm = 0.775 Vrms (600 ohms loaded)

Wireless Channel Lists/Übertragungskanallisten

Overview of Channel Plan/Überblick über die Kanäle

Guidance on use of multi-channel system

This product is designed to give excellent interference free operation in multi-channel systems. To maintain this, Sony recommends that one of the original Sony groups, number 01, 02, 03, 04, 13, L1, L2, M1 or M2 is selected.
These groups will offer excellent performance free from mutual interference from other Sony wireless microphone transmitters in the selected group when used under the recommended operating conditions.
The remaining groups are included for compliance with frequency regulations in various countries, and will not always guarantee interference free operation.
Group 00 is used to scan for open channels, or to use only for a one channel system.

Richtlinien für ein Mehrkanalsystem

Dieses Produkt wurde im Hinblick auf hervorragenden interferenzfreien Betrieb in Mehrkanalsystemen entwickelt. Deshalb empfehlen wir, eine der Sony-Kanalgruppen.
Nummer 01, 02, 03, 04, 13, L1, L2, M1 oder M2 auszuwählen.
Bei diesen Gruppen erzielen Sie eine außerordentliche Leistung ohne gegenseitige interferenzen durch andere schnurlose Mikrofonsender von Sony in der ausgewählten Gruppe, vorausgesetzt, die empfohlenen Betriebsbedingungen werden eingehalten. Bei den übrigen Gruppen gelten die Frequenzbestimmungen in verschiedenen Ländern, und ein interferenzfreier Betrieb kann nicht immer gewährleistet werden.
Gruppe 00 dient zum Durchsuchen offener Kanäle bzw. eignet sich für ein Einkanalsystem.

Wireless Channel Lists/Übertragungskanallisten

Model Modell	Group indication Gruppe-Anzeige	Frequency grid Frequenz-raster	User group Benutzergruppe	No. of simultaneously selectable channels Anzahl der Simultankanäle
CE62	00	125 kHz	Sony original channel groups Sony Kanalgruppen	*(111)
	01			8
	02			9
	03			8
	04			10
	13			12
	L1			8
	L2			
	M1			
	M2			
	62A	25 kHz	German-3 Deutsch-3	*(7)
	62B			*(8)
	62C			*(7)
	62D			*(7)
	62E		German-4 Deutsch-4	*(10)
	63A		German-3 Deutsch-3	*(10)
	63B			*(12)
	63C			*(10)
	63D			*(10)
	63E		German-4 Deutsch-4	*(11)
	62		German Deutsch	*(241)
	63			*(320)
CE69	00	125 kHz	Sony original channel groups/Sony Kanalgruppen	*(64)
	01			10
	L	25 kHz	UK General Use Allgemaine Verbendung in Großbritannien	*(7)
	H			*(7)
AU66	00	125 kHz	Sony original channel groups	*(102)
	11			12
	12			9
	13			9
	A1			8
	A2			6
	A3			6
	L1			6
	L2			6
	M1			6
	M2			5
	H1			8
	H2			8

German = German User Groups
Deutsch = Deutsche Benutzergruppen

a) *-marked number means a total number of selectable channels (not simultaneously).
Die Anzahl der insgesamt wählbaren Kanäle sind mit einem Stern (*) gekennzeichnet.

CE62 model/Modell CE62

Sony Original Channel Groups/Sony Kanalgruppen

GP/CH indication (example)/GP/CH-Anzeige (Beispiel): 00.62 17

Group 00: 111-channel group (single-channel operation)
Gruppe 00: 111-Kanal-Gruppe (Einkanalbetrieb)

TV-62 Band/ TV-62-Frequenzbereich		TV-63 Band/ TV-63-Frequenzbereich	
WL Channel WL-Kanal	Frequency Frequenz (MHz)	WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-17	800.125	63-00	806.000
62-18	800.250	63-01	806.125
62-19	800.375	63-02	806.250
62-20	**800.500**	63-03	806.375
62-21	800.625	63-04	806.500
62-22	800.750	63-05	806.625
62-23	800.875	63-06	806.750
62-24	801.000	63-07	806.875
62-25	801.125	63-08	807.000
62-26	801.250	63-09	807.125
62-27	801.375	**63-10**	**807.250**
62-28	801.500	63-11	807.375
62-29	801.625	63-12	807.500
62-30	**801.750**	63-13	807.625
62-31	801.875	63-14	807.750
62-32	802.000	63-15	807.875
62-33	802.125	63-16	808.000
62-34	802.250	63-17	808.125
62-35	802.375	63-18	808.250
62-36	802.500	63-19	808.375
62-37	802.625	**63-20**	**808.500**
62-38	802.750	63-21	808.625
62-39	802.875	63-22	808.750
62-40	**803.000**	63-23	808.875
62-41	803.125	63-24	809.000
62-42	803.250	63-25	809.125
62-43	803.375	63-26	809.250
62-44	803.500	63-27	809.375
62-45	803.625	63-28	809.500
62-46	803.750	63-29	809.625
62-47	803.875	**63-30**	**809.750**
62-48	804.000	63-31	809.875
62-49	804.125	63-32	810.000
62-50	**804.250**	63-33	810.125
62-51	804.375	63-34	810.250
62-52	804.500	63-35	810.375
62-53	804.625	63-36	810.500
62-54	804.750	63-37	810.625
62-55	804.875	63-38	810.750
62-56	805.000	63-39	810.875
62-57	805.125	**63-40**	**811.000**
62-58	805.250	63-41	811.125
62-59	805.375	63-42	811.250
62-60	**805.500**	63-43	811.375
62-61	805.625	63-44	811.500
62-62	805.750	63-45	811.625
62-63	805.875	63-46	811.750
		63-47	811.875
		63-48	812.000
		63-49	812.125
		63-50	**812.250**
		63-51	812.375
		63-52	812.500
		63-53	812.625
		63-54	812.750
		63-55	812.875
		63-56	813.000
		63-57	813.125
		63-58	813.250
		63-59	813.375
		63-60	**813.500**
		63-61	813.625
		63-62	813.750
		63-63	813.875

Group 01/Gruppe 01
8-channel group
8-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-17	800.125
62-21	800.625
62-32	802.000
62-50	804.250
63-10	807.250
63-12	807.500
63-31	809.875
63-58	813.250

Group 02/Gruppe 02
9-channel group
9-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-18	800.250
62-23	800.875
62-46	803.750
62-56	805.000
62-59	805.375
63-14	807.750
63-22	808.750
63-29	809.625
63-38	810.750

Group 03/Gruppe 03
8-channel group
8-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-19	800.375
62-30	801.750
62-38	802.750
62-58	805.250
63-08	807.000
63-25	809,125
63-41	811.125
63-62	813.750

Group 04/Gruppe 04
10-channel group
10-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-20	800.500
62-22	800.750
62-25	801.125
62-29	801.625
62-35	802.375
62-47	803.875
63-06	806.750
63-27	809.375
63-43	811.375
63-60	813.500

Group 13/Gruppe 13
12-channel group/12-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-17	800.125
62-22	800.750
62-32	802.000
62-34	802.250
62-50	804.250
62-58	805.250
63-15	807.875
63-26	809.250
63-40	811.000
63-46	811.750
63-49	812.125
63-53	812.625

Group L1/Gruppe L1
8-channel group/8-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-19	800.375
62-21	800.625
62-27	801.375
62-32	802.000
62-42	803.250
62-51	804.375
62-54	804.750
62-58	805.250

Group L2/Gruppe L2
8-channel group/8-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-22	800.750
62-24	801.000
62-28	801.500
62-38	802.750
62-41	803.125
62-49	804.125
62-56	805.000
62-61	805.625

Group M1/Gruppe M1
8-channel group/8-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
63-11	807.375
63-13	807.625
63-19	808.375
63-24	809.000
63-34	810.250
63-43	811.375
63-46	811.750
63-50	812.250

Group M2/Gruppe M2
8-channel group/8-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
63-14	807.750
63-16	808.000
63-20	808.500
63-30	809.750
63-33	810.125
63-41	811.125
63-48	812.000
63-53	812.625

WL Channel: Wireless Channel WL-Kanal: Übertragungskanal

German User Group-3/Deutschen Benutzergruppe-3

GP/CH indication (example)/GP/CH-Anzeige (Beispiel): 62A 04

Group 62A/Gruppe 62A
7-channel group
7-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-A04	800.325
62-A05	800.900
62-A06	801.725
62-A07	802.825
62-A08	803.350
62-A09	804.100
62-A10	804.575

Group 62B/Gruppe 62B
8-channel group
8-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-B05	800.375
62-B06	800.950
62-B07	801.775
62-B08	802.875
62-B09	803.400
62-B10	804.150
62-B11	804.625
62-B12	805.600

Group 62C/Gruppe 62C
7-channel group
7-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-C04	800.425
62-C05	801.000
62-C06	801.825
62-C07	802.925
62-C08	803.450
62-C09	804.675
62-C10	805.650

Group 62D/Gruppe 62D
7-channel group
7-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-D04	800.475
62-D05	801.050
62-D06	801.875
62-D07	802.975
62-D08	803.500
62-D09	804.725
62-D10	805.700

Group 63A/Gruppe 63A
10-channel group/10-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
63-A01	806.250
63-A02	807.200
63-A03	807.900
63-A04	808.325
63-A05	808.900
63-A06	809.725
63-A07	810.825
63-A08	811.350
63-A09	812.100
63-A10	812.575

Group 63B/Gruppe 63B
12-channel group/12-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
63-B01	806.300
63-B02	806.700
63-B03	807.250
63-B04	807.950
63-B05	808.375
63-B06	808.950
63-B07	809.775
63-B08	810.875
63-B09	811.400
63-B10	812.150
63-B11	812.625
63-B12	813.600

Group 63C/Gruppe 63C
10-channel group/10-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
63-C01	806.350
63-C02	806.750
63-C03	807.300
63-C04	808.425
63-C05	809.000
63-C06	809.825
63-C07	810.925
63-C08	811.450
63-C09	812.675
63-C10	813.650

Group 63D/Gruppe 63D
10-channel group/10-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
63-D01	806.400
63-D02	806.800
63-D03	807.350
63-D04	808.475
63-D05	809.050
63-D06	809.875
63-D07	810.975
63-D08	811.500
63-D09	812.725
63-D10	813.700

German User Group-4/ Deutschen Benutzergruppe-4

GP/CH indication (example)/GP/CH-Anzeige (Beispiel): 62E 02

Group 62E/Gruppe 62E
10-channel group
10-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-E02	800.525
62-E03	801.100
62-E04	801.425
62-E05	801.975
62-E06	802.575
62-E07	803.050
62-E08	803.700
62-E09	804.800
62-E10	805.050
62-E11	805.775

Group 63E/Gruppe 63E
11-channel group
11-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
63-E01	806.850
63-E02	808.525
63-E03	809.100
63-E04	809.425
63-E05	809.975
63-E06	810.575
63-E07	811.050
63-E08	811.700
63-E09	812.800
63-E10	813.050
63-E11	813.775

German User Groups/Deutschen Benutzergruppen

GP/CH indication (example)/GP/CH-Anzeige (Beispiel): 62 080

Group 62: 241-channel group (single-channel operation)/**Gruppe 62:** 241-Kanal-Gruppe (Einkanalbetrieb)
Frequency range: 800.000 to 806.000 MHz/Frequenzbereich: 800,000 bis 806,000 MHz

WL Channel WL-Kanal	Frequency Frequenz (MHz)	WL Channel WL-Kanal	Frequency Frequenz (MHz)	WL Channel WL-Kanal	Frequency Frequenz (MHz)	WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-080	**800.000**	**62-120**	**801.000**	**62-160**	**802.000**	**62-200**	**803.000**
62-081	800.025	62-121	801.025	62-161	802.025	62-201	803.025
62-082	800.050	62-122	801.050	62-162	802.050	62-202	803.050
62-083	800.075	62-123	801.075	62-163	802.075	62-203	803.075
62-084	800.100	62-124	801.100	62-164	802.100	62-204	803.100
62-085	800.125	62-125	801.125	62-165	802.125	62-205	803.125
62-086	800.150	62-126	801.150	62-166	802.150	62-206	803.150
62-087	800.175	62-127	801.175	62-167	802.175	62-207	803.175
62-088	800.200	62-128	801.200	62-168	802.200	62-208	803.200
62-089	800.225	62-129	801.225	62-169	802.225	62-209	803.225
62-090	**800.250**	**62-130**	**801.250**	**62-170**	**802.250**	**62-210**	**803.250**
62-091	800.275	62-131	801.275	62-171	802.275	62-211	803.275
62-092	800.300	62-132	801.300	62-172	802.300	62-212	803.300
62-093	800.325	62-133	801.325	62-173	802.325	62-213	803.325
62-094	800.350	62-134	801.350	62-174	802.350	62-214	803.350
62-095	800.375	62-135	801.375	62-175	802.375	62-215	803.375
62-096	800.400	62-136	801.400	62-176	802.400	62-216	803.400
62-097	800.425	62-137	801.425	62-177	802.425	62-217	803.425
62-098	800.450	62-138	801.450	62-178	802.450	62-218	803.450
62-099	800.475	62-139	801.475	62-179	802.475	62-219	803.475
62-100	**800.500**	**62-140**	**801.500**	**62-180**	**802.500**	**62-220**	**803.500**
62-101	800.525	62-141	801.525	62-181	802.525	62-221	803.525
62-102	800.550	62-142	801.550	62-182	802.550	62-222	803.550
62-103	800.575	62-143	801.575	62-183	802.575	62-223	803.575
62-104	800.600	62-144	801.600	62-184	802.600	62-224	803.600
62-105	800.625	62-145	801.625	62-185	802.625	62-225	803.625
62-106	800.650	62-146	801.650	62-186	802.650	62-226	803.650
62-107	800.675	62-147	801.675	62-187	802.675	62-227	803.675
62-108	800.700	62-148	801.700	62-188	802.700	62-228	803.700
62-109	800.725	62-149	801.725	62-189	802.725	62-229	803.725
62-110	**800.750**	**62-150**	**801.750**	**62-190**	**802.750**	**62-230**	**803.750**
62-111	800.775	62-151	801.775	62-191	802.775	62-231	803.775
62-112	800.800	62-152	801.800	62-192	802.800	62-232	803.800
62-113	800.825	62-153	801.825	62-193	802.825	62-233	803.825
62-114	800.850	62-154	801.850	62-194	802.850	62-234	803.850
62-115	800.875	62-155	801.875	62-195	802.875	62-235	803.875
62-116	800.900	62-156	801.900	62-196	802.900	62-236	803.900
62-117	800.925	62-157	801.925	62-197	802.925	62-237	803.925
62-118	800.950	62-158	801.950	62-198	802.950	62-238	803.950
62-119	800.975	62-159	801.975	62-199	802.975	62-239	803.975

Wireless Channel Lists/Übertragungskanallisten

WL Channel WL-Kanal	Frequency Frequenz (MHz)	WL Channel WL-Kanal	Frequency Frequenz (MHz)
62-240	**804.000**	**62-280**	**805.000**
62-241	804.025	62-281	805.025
62-242	804.050	62-282	805.050
62-243	804.075	62-283	805.075
62-244	804.100	62-284	805.100
62-245	804.125	62-285	805.125
62-246	804.150	62-286	805.150
62-247	804.175	62-287	805.175
62-248	804.200	62-288	805.200
62-249	804.225	62-289	805.225
62-250	**804.250**	**62-290**	**805.250**
62-251	804.275	62-291	805.275
62-252	804.300	62-292	805.300
62-253	804.325	62-293	805.325
62-254	804.350	62-294	805.350
62-255	804.375	62-295	805.375
62-256	804.400	62-296	805.400
62-257	804.425	62-297	805.425
62-258	804.450	62-298	805.450
62-259	804.475	62-299	805.475
62-260	**804.500**	**62-300**	**805.500**
62-261	804.525	62-301	805.525
62-262	804.550	62-302	805.550
62-263	804.575	62-303	805.575
62-264	804.600	62-304	805.600
62-265	804.625	62-305	805.625
62-266	804.650	62-306	805.650
62-267	804.675	62-307	805.675
62-268	804.700	62-308	805.700
62-269	804.725	62-309	805.725
62-270	**804.750**	**62-310**	**805.750**
62-271	804.775	62-311	805.775
62-272	804.800	62-312	805.800
62-273	804.825	62-313	805.825
62-274	804.850	62-314	805.850
62-275	804.875	62-315	805.875
62-276	804.900	62-316	805.900
62-277	804.925	62-317	805.925
62-278	804.950	62-318	805.950
62-279	804.975	62-319	805.975
		62-320	**806.000**

GP/CH indication (example)/GP/CH-Anzeige (Beispiel): 63 001

Group 63: 320-channel group (single-channel operation)/**Gruppe 63:** 320-Kanal-Gruppe (Einkanalbetrieb)
Frequency range: 806.025 to 814.000 MHz/Frequenzbereich: 806,025 bis 814,000 MHz

WL Channel WL-Kanal	Frequency Frequenz (MHz)	WL Channel WL-Kanal	Frequency Frequenz (MHz)	WL Channel WL-Kanal	Frequency Frequenz (MHz)	WL Channel WL-Kanal	Frequency Frequenz (MHz)
63-001	806.025	63-041	807.025	63-081	808.025	63-121	809.025
63-002	806.050	63-042	807.050	63-082	808.050	63-122	809.050
63-003	806.075	63-043	807.075	63-083	808.075	63-123	809.075
63-004	806.100	63-044	807.100	63-084	808.100	63-124	809.100
63-005	806.125	63-045	807.125	63-085	808.125	63-125	809.125
63-006	806.150	63-046	807.150	63-086	808.150	63-126	809.150
63-007	806.175	63-047	807.175	63-087	808.175	63-127	809.175
63-008	806.200	63-048	807.200	63-088	808.200	63-128	809.200
63-009	806.225	63-049	807.225	63-089	808.225	63-129	809.225
63-010	**806.250**	**63-050**	**807.250**	**63-090**	**808.250**	**63-130**	**809.250**
63-011	806.275	63-051	807.275	63-091	808.275	63-131	809.275
63-012	806.300	63-052	807.300	63-092	808.300	63-132	809.300
63-013	806.325	63-053	807.325	63-093	808.325	63-133	809.325
63-014	806.350	63-054	807.350	63-094	808.350	63-134	809.350
63-015	806.375	63-055	807.375	63-095	808.375	63-135	809.375
63-016	806.400	63-056	807.400	63-096	808.400	63-136	809.400
63-017	806.425	63-057	807.425	63-097	808.425	63-137	809.425
63-018	806.450	63-058	807.450	63-098	808.450	63-138	809.450
63-019	806.475	63-059	807.475	63-099	808.475	63-139	809.475
63-020	**806.500**	**63-060**	**807.500**	**63-100**	**808.500**	**63-140**	**809.500**
63-021	806.525	63-061	807.525	63-101	808.525	63-141	809.525
63-022	806.550	63-062	807.550	63-102	808.550	63-142	809.550
63-023	806.575	63-063	807.575	63-103	808.575	63-143	809.575
63-024	806.600	63-064	807.600	63-104	808.600	63-144	809.600
63-025	806.625	63-065	807.625	63-105	808.625	63-145	809.625
63-026	806.650	63-066	807.650	63-106	808.650	63-146	809.650
63-027	806.675	63-067	807.675	63-107	808.675	63-147	809.675
63-028	806.700	63-068	807.700	63-108	808.700	63-148	809.700
63-029	806.725	63-069	807.725	63-109	808.725	63-149	809.725
63-030	**806.750**	**63-070**	**807.750**	**63-110**	**808.750**	**63-150**	**809.750**
63-031	806.775	63-071	807.775	63-111	808.775	63-151	809.775
63-032	806.800	63-072	807.800	63-112	808.800	63-152	809.800
63-033	806.825	63-073	807.825	63-113	808.825	63-153	809.825
63-034	806.850	63-074	807.850	63-114	808.850	63-154	809.850
63-035	806.875	63-075	807.875	63-115	808.875	63-155	809.875
63-036	806.900	63-076	807.900	63-116	808.900	63-156	809.900
63-037	806.925	63-077	807.925	63-117	808.925	63-157	809.925
63-038	806.950	63-078	807.950	63-118	808.950	63-158	809.950
63-039	806.975	63-079	807.975	63-119	808.975	63-159	809.975
63-040	**807.000**	**63-080**	**808.000**	**63-120**	**809.000**	**63-160**	**810.000**

Wireless Channel Lists/Übertragungskanallisten

WL Channel WL-Kanal	Frequency Frequenz (MHz)	WL Channel WL-Kanal	Frequency Frequenz (MHz)	WL Channel WL-Kanal	Frequency Frequenz (MHz)	WL Channel WL-Kanal	Frequency Frequenz (MHz)
63-161	810.025	63-201	811.025	63-241	812.025	63-281	813.025
63-162	810.050	63-202	811.050	63-242	812.050	63-282	813.050
63-163	810.075	63-203	811.075	63-243	812.075	63-283	813.075
63-164	810.100	63-204	811.100	63-244	812.100	63-284	813.100
63-165	810.125	63-205	811.125	63-245	812.125	63-285	813.125
63-166	810.150	63-206	811.150	63-246	812.150	63-286	813.150
63-167	810.175	63-207	811.175	63-247	812.175	63-287	813.175
63-168	810.200	63-208	811.200	63-248	812.200	63-288	813.200
63-169	810.225	63-209	811.225	63-249	812.225	63-289	813.225
63-170	**810.250**	**63-210**	**811.250**	**63-250**	**812.250**	**63-290**	**813.250**
63-171	810.275	63-211	811.275	63-251	812.275	63-291	813.275
63-172	810.300	63-212	811.300	63-252	812.300	63-292	813.300
63-173	810.325	63-213	811.325	63-253	812.325	63-293	813.325
63-174	810.350	63-214	811.350	63-254	812.350	63-294	813.350
63-175	810.375	63-215	811.375	63-255	812.375	63-295	813.375
63-176	810.400	63-216	811.400	63-256	812.400	63-296	813.400
63-177	810.425	63-217	811.425	63-257	812.425	63-297	813.425
63-178	810.450	63-218	811.450	63-258	812.450	63-298	813.450
63-179	810.475	63-219	811.475	63-259	812.475	63-299	813.475
63-180	**810.500**	**63-220**	**811.500**	**63-260**	**812.500**	**63-300**	**813.500**
63-181	810.525	63-221	811.525	63-261	812.525	63-301	813.525
63-182	810.550	63-222	811.550	63-262	812.550	63-302	813.550
63-183	810.575	63-223	811.575	63-263	812.575	63-303	813.575
63-184	810.600	63-224	811.600	63-264	812.600	63-304	813.600
63-185	810.625	63-225	811.625	63-265	812.625	63-305	813.625
63-186	810.650	63-226	811.650	63-266	812.650	63-306	813.650
63-187	810.675	63-227	811.675	63-267	812.675	63-307	813.675
63-188	810.700	63-228	811.700	63-268	812.700	63-308	813.700
63-189	810.725	63-229	811.725	63-269	812.725	63-309	813.725
63-190	**810.750**	**63-230**	**811.750**	**63-270**	**812.750**	**63-310**	**813.750**
63-191	810.775	63-231	811.775	63-271	812.775	63-311	813.775
63-192	810.800	63-232	811.800	63-272	812.800	63-312	813.800
63-193	810.825	63-233	811.825	63-273	812.825	63-313	813.825
63-194	810.850	63-234	811.850	63-274	812.850	63-314	813.850
63-195	810.875	63-235	811.875	63-275	812.875	63-315	813.875
63-196	810.900	63-236	811.900	63-276	812.900	63-316	813.900
63-197	810.925	63-237	811.925	63-277	812.925	63-317	813.925
63-198	810.950	63-238	811.950	63-278	812.950	63-318	813.950
63-199	810.975	63-239	811.975	63-279	812.975	63-319	813.975
63-200	**811.000**	**63-240**	**812.000**	**63-280**	**813.000**	**63-320**	**814.000**

CE69 Model/Modell CE69

Sony Original Channel Groups
Sony Kanalgruppen

GP/CH indication (example)/GP/CH-Anzeige (Beispiel): 00690 1

Group 00: 64-channel group (single-channel operation)
Gruppe 00: 64-Kanal-Gruppe (Einkanalbetrieb)

TV-69 Band/TV-69-Frequenzbereich			
WL Channel WL-Kanal	Frequency Frequenz (MHz)	WL Channel WL-Kanal	Frequency Frequenz (MHz)
69-01	854.125	69-33	858.125
69-02	854.250	69-34	858.250
69-03	854.375	69-35	858.375
69-04	854.500	69-36	858.500
69-05	854.625	69-37	858.625
69-06	854.750	69-38	858.750
69-07	854.875	69-39	858.875
69-08	855.000	**69-40**	**859.000**
69-09	855.125	69-41	859.125
69-10	**855.250**	69-42	859.250
69-11	855.375	69-43	859.375
69-12	855.500	69-44	859.500
69-13	855.625	69-45	859.625
69-14	855.750	69-46	859.750
69-15	855.875	69-47	859.875
69-16	856.000	69-48	860.000
69-17	856.125	69-49	860.125
69-18	856.250	**69-50**	**860.250**
69-19	856.375	69-51	860.375
69-20	**856.500**	69-52	860.500
69-21	856.625	69-53	860.625
69-22	856.750	69-54	860.750
69-23	856.875	69-55	860.875
69-24	857.000	69-56	861.000
69-25	857.125	69-57	861.125
69-26	857.250	69-58	861.250
69-27	857.375	69-59	861.375
69-28	857.500	**69-60**	**861.500**
69-29	857.625	69-61	861.625
69-30	**857.750**	69-62	861.750
69-31	857.875	69-63	861.875
69-32	858.000	69-64	862.000

Group 01/Gruppe 01

10-channel group
10-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
69-01	854.125
69-03	854.375
69-07	854.875
69-18	856.250
69-27	857.375
69-34	858.250
69-46	859.750
69-56	861.000
69-59	861.375
69-64	862.000

UK General Use
Allgemeine Verwendung in Großbritannien

GP/CH indication (example)/GP/CH-Anzeige (Beispiel): L UG0 1

Group L/Gruppe L

7-channel group
7-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
UG-01	854.900
UG-02	855.275
UG-03	855.900
UG-04	856.175
UG-05	856.575
UG-06	857.625
UG-07	857.950

Group H/Gruppe H

7-channel group
7-Kanal-Gruppe

WL Channel WL-Kanal	Frequency Frequenz (MHz)
UG-08	858.200
UG-09	858.650
UG-10	860.400
UG-11	860.900
UG-12	861.200
UG-13	861.550
UG-14	861.750

Wireless Channel Lists/Übertragungskanallisten

AU66 model

Sony Original Channel Groups

GP/CH indication (example): 00.660 1

Group 00: 102-channel group (All channel access)

WL Channel	Frequency (MHz)	WL Channel	Frequency (MHz)
66-01	792.250	67-01	799.250
66-02	792.375	67-02	799.375
66-03	792.500	67-03	799.500
66-04	792.625	67-04	799.625
66-05	792.750	67-05	799.750
66-06	792.875	67-06	799.875
66-07	793.000	67-07	800.000
66-08	793.125	67-08	800.125
66-09	793.250	67-09	800.250
66-10	793.375	67-10	800.375
66-11	793.500	67-11	800.500
66-12	793.625	67-12	800.625
66-13	793.750	67-13	800.750
66-14	793.875	67-14	800.875
66-15	794.000	67-15	801.000
66-16	794.125	67-16	801.125
66-17	794.250	67-17	801.250
66-18	794.375	67-18	801.375
66-19	794.500	67-19	801.500
66-20	794.625	67-20	801.625
66-21	794.750	67-21	801.750
66-22	794.875	67-22	801.875
66-23	795.000	67-23	802.000
66-24	795.125	67-24	802.125
66-25	795.250	67-25	802.250
66-26	795.375	67-26	802.375
66-27	795.500	67-27	802.500
66-28	795.625	67-28	802.625
66-29	795.750	67-29	802.750
66-30	795.875	67-30	802.875
66-31	796.000	67-31	803.000
66-32	796.125	67-32	803.125
66-33	796.250	67-33	803.250
66-34	796.375	67-34	803.375
66-35	796.500	67-35	803.500
66-36	796.625	67-36	803.625
66-37	796.750	67-37	803.750
66-38	796.875	67-38	803.875
66-39	797.000	67-39	804.000
66-40	797.125	67-40	804.125
66-41	797.250	67-41	804.250
66-42	797.375	67-42	804.375
66-43	797.500	67-43	804.500
66-44	797.625	67-44	804.625
66-45	797.750	67-45	804.750
66-46	797.875	67-46	804.875
66-47	798.000	67-47	805.000
66-48	798.125	67-48	805.125
66-49	798.250	67-49	805.250
66-50	798.375	67-50	805.375
66-51	798.500	67-51	805.500

Group 11: 12-channel group
Use when TV channels both 66 and 67 are available.

WL Channel	Frequency (MHz)
66-02	792.375
66-07	793.000
66-17	794.250
66-19	794.500
66-35	796.500
66-43	797.500
67-08	800.125
67-19	801.500
67-33	803.250
67-39	804.000
67-42	804.375
67-46	804.875

Group 12: 9-channel group
Use when TV channel 66 is on the air.

WL Channel	Frequency (MHz)
67-01	799.250
67-03	799.500
67-11	800.500
67-16	801.125
67-23	802.000
67-27	802.500
67-41	804.250
67-44	804.625
67-50	805.375

Group 13: 9-channel group
Use when TV channel 67 is on the air.

WL Channel	Frequency (MHz)
66-01	792.250
66-03	792.500
66-11	793.500
66-16	794.125
66-23	795.000
66-27	795.500
66-41	797.250
66-44	797.625
66-50	798.375

Group A1: 8-channel group
Use when both TV channels 66 and 67 are available.

WL Channel	Frequency (MHz)
66-02	792.375
66-04	792.625
66-12	793.625
66-24	795.125
67-02	799.375
67-29	802.750
67-35	803.500
67-44	804.625

Group A2: 6-channel group
Use when TV channel 66 is on the air.

WL Channel	Frequency (MHz)
67-06	799.875
67-15	801.000
67-21	801.750
67-32	803.125
67-46	804.875
67-50	805.375

Group A3: 6-channel group
Use when TV channel 67 is on the air.

WL Channel	Frequency (MHz)
66-06	792.875
66-15	794.000
66-21	794.750
66-32	796.125
66-46	797.875
66-50	798.375

Group L1: 6-channel group
Use when TV channel 67 is on the air.

WL Channel	Frequency (MHz)
66-01	792.250
66-03	792.500
66-09	793.250
66-14	793.875
66-18	794.375
66-21	794.750

Group L2: 6-channel group
Use when TV channel 67 is on the air.

WL Channel	Frequency (MHz)
66-02	792.375
66-04	792.625
66-10	793.375
66-15	794.000
66-19	794.500
66-22	794.875

Group M1: 6-channel group
Use when TV channel 67 is on the air.

WL Channel	Frequency (MHz)
66-31	796.000
66-33	796.250
66-39	797.000
66-44	797.625
66-48	798.125
66-51	798.500

Group M2: 5-channel group
Use when TV channel 67 is on the air.

WL Channel	Frequency (MHz)
66-32	796.125
66-34	796.375
66-40	797.125
66-45	797.750
66-49	798.250

Group H1: 8-channel group
Use when TV channel 66 is on the air.

WL Channel	Frequency (MHz)
67-03	799.500
67-05	799.750
67-11	800.500
67-16	801.125
67-26	802.375
67-35	803.500
67-38	803.875
67-42	804.375

Group H2: 8-channel group
Use when TV channel 66 is on the air.

WL Channel	Frequency (MHz)
67-06	799.875
67-08	800.125
67-12	800.625
67-22	801.875
67-25	802.250
67-33	803.250
67-40	804.125
67-45	804.750

SONY

3-867-236-21 (1)

UHF Synthesized Tuner Unit

Operating Instructions
Bedienungsanleitung

WRU-806A

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Space diversity reception system
The unit provides stable signal reception with minimum dropout.

Tone squelch circuit for noise elimination
A built-in squelch circuit eliminates noise and signal interference when the unit is in signal reception standby mode.

Compander system
A compander (compressor/expander) system enables stabilized wireless transmission over a wide dynamic range.

System Configuration

The unit can be used with a UHF Synthesized Wireless Microphone or UHF Synthesized Transmitter among the models listed in the table below.

Sony 800 MHz band system models

Frequency band		Model name	
TV channel	Frequency (MHz)	Transmitter or microphone	Tuner
62	800.000 to 814.000	WRT-805A (62) WRT-807A (62) WRT-822A (62)	WRR-805A (62) WRR-802A (62) MB-806A with WRU-806A (62)
69	854.125 to 862.000	WRT-805A (69) WRT-807A (69) WRT-822A (69)	WRR-805A (69) WRR-802A (69) MB-806A with WRU-806A (69)

English

Overview

The WRU-806A is a reliable UHF synthesized tuner unit for the 800-MHz-band Sony UHF wireless microphone system which uses the frequency bands allocated for UHF TV broadcasting. To use this unit, install it in a Sony MB-806A Tuner Base Unit.
The unit is designed to enable simultaneous use of multiple channels when channels are selected according to the Sony channel plan.
In building up a UHF wireless microphone system, be sure to combine a microphone/transmitter and a tuner having the same TV channel number (62 or 69).
The following are the principal features of this unit.

Phase Locked Loop (PLL) synthesized system
The unit has a refined phase locked loop (PLL) synthesizer circuit.

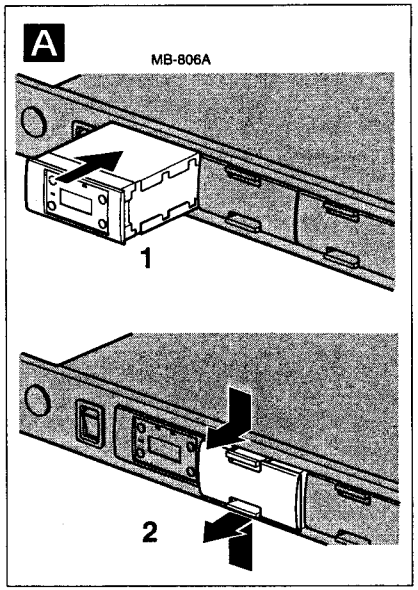
Preprogrammed wireless channel plan for simultaneous multichannel operation
The unit has many preprogrammed, easily settable channels in a simultaneous multichannel operation.

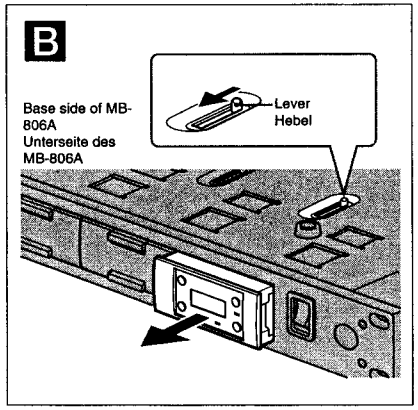
Versatile display
A liquid-crystal display provides a variety of information, including the levels of the reception channels, RF information and transmitter battery alarm.

Precaution

On operation
- The unit must be used within a temperature range of 0°C to 40°C. Avoid using the unit for extended periods at extremely high temperatures or placing it in direct sunlight, especially outdoors because this may damage the finish of the case. Never install the unit on or near a heat source, such as lighting equipment or power amplifiers.
- Avoid using in very humid or dusty places, because such use may shorten the life of the unit.
- To avoid degradation of the signal-to-noise ratio, do not use the unit in noisy places or in locations subject to noise or vibration, such as the following:
  — near electrical equipment, such as motors, transformers or dimmers
  — near air conditioning equipment or places subject to direct air flow from an air conditioner
  — near public address loudspeakers
  — where adjacent equipment might knock against the unit
- Switching lights on or off may produce electrical interference over the entire frequency range. Position the unit and the wireless microphones so that interference is minimized.
- The unit is precisely adjusted at the factory and no adjustment before use is necessary. Do not touch the inside of the unit or try to repair it by yourself.

On cleaning
Clean the unit with a dry, soft cloth. Never use thinner, benzene, alcohol or any other chemicals, since these may damage the finish.





English

Installing in the MB-806A

Up to six WRU-806A units can be installed in the MB-806A.
In building up a system, be sure to combine a WRU-806A having the same TV channel number (62 or 69).

For information about operating this unit, refer to the Operating Instructions for the MB-806A.

Installation (See fig. A.)

Notes
- Be sure to power off the MB-806A before installing this unit.
- The buttons and display of this unit may be damaged if they are gripped too strongly. Always hold this unit by the side.
- Do not touch the connectors on the rear panel of this unit.
- Be careful of static electricity.

1 Hold this unit by the side and insert into the slot. Push in until you hear a click.

2 To install two or more units, detach the necessary number of blank panels by pushing in the top and bottom tabs of each panel and pulling the panel out. Then do step 1 for each unit.

Removal (See fig. B.)
On the base side of the MB-806A, locate the lever corresponding to the slot where the unit is installed and pull the lever forward. The unit is ejected from the slot.

Error Message

Apart from the normal indications, the following error messages may appear on the display.

Message	Meaning	Measures
Err 01	An error has occurred in the backup memory data.	The memory data is initialized. Reset the group and channel settings.
Err 02	The PLL-synthesized circuit has a malfunction.	Contact your nearest Sony dealer.
NO TONE	As no tone signal is available or a tone signal other than 32.768 kHz is being received, the audio signal output is muted.	Make sure that the transmitter is turned on. If it is, then the problem lies in the transmitter's tone signal generator or the tuner's tone squelch circuit. Contact your nearest Sony dealer.

Specifications

Tuner

Reception type	F3E
Circuit system	Dual conversion superheterodyne
Reception frequencies	CE62 model: 800.000 to 814.000 MHz CE69 model: 854.125 to 862.000 MHz
Local oscillators	Crystal controlled PLL synthesizer
Selectivity	60 dB or more (at ±250 kHz detuned)
Spurious rejection ratio	70 dB or more
Image rejection ratio	60 dB or more
Muting level	30 dBμ[1]
Frequency response	100 to 15,000 Hz ±3 dB
De-emphasis	50 μ sec
Signal-to-noise ratio	40 dB or more at an A-weighted RF input level of 20 dBμ 60 dB or more at an A-weighted RF input level of 60 dBμ (±5 kHz deviation at 1 kHz modulation)
Distortion	1% or less (±40 kHz deviation at 1 kHz modulation)
Tone signal frequency	32.768 kHz
Output level	−28 dBu[2] (±5 kHz deviation at 1 kHz modulation)
Output connector	Multi-connector (10-pin)

1) 0 dBμ=1 μV
2) 0 dBu=0.775 Vrms (unloaded)

General

Power requirements	9 V DC
Current consumption	Approx. 225 mA
Operating temperature	0 to 40°C
Storage temperature	−20 to +55°C
Dimensions	57 × 26 × 122 mm (w/h/d)
Mass	Approx. 160 g
Accessories supplied	Operating Instructions (1)

Design and specifications are subject to change without notice.

SONY

3-867-236-31 (1)

UHF Synthesized Tuner Unit

Operating Instructions

WRU-806A

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Specifications

Tuner

Reception type	110KF3E
Circuit system	Dual conversion superheterodyne
Reception frequencies	792.250 to 805.500 MHz
Local oscillators	Crystal controlled PLL synthesizer
Selectivity	60 dB or more (at ±250 kHz detuned)
Spurious rejection ratio	70 dB or more
Image rejection ratio	60 dB or more
Muting level	30 dBμ[1]
Frequency response	100 to 15,000 Hz ± 3 dB
De-emphasis	50 μ sec
Signal-to-noise ratio	40 dB or more at an A-weighted RF input level of 20 dBμ 60 dB or more at an A-weighted RF input level of 60 dBμ (±5 kHz deviation at 1 kHz modulation)
Distortion	1% or less (±40 kHz deviation at 1 kHz modulation)
Tone signal frequency	32.768 kHz
Output level	–28 dBu[2] (±5 kHz deviation at 1 kHz modulation)
Output connector	Multi-connector (10-pin)

1) 0 dBμ=1 μV
2) 0 dBu=0.775 Vrms (unloaded)

General

Power requirements	9 V DC
Current consumption	Approx. 225 mA
Operating temperature	0 to 40°C (32 to 104°F)
Storage temperature	–20 to +55°C (–4 to +131°F)
Dimensions	57 × 26 × 122 mm (2 1/4 × 1 1/16 × 4 7/8 inches) (w/h/d)
Mass	Approx. 160 g (5.7 oz)
Accessories supplied	Operating Instructions (1)

Design and specifications are subject to change without notice.

Overview

The WRU-806A is a reliable UHF synthesized tuner unit for the 800-MHz-band Sony UHF wireless microphone system which uses the frequency bands allocated for UHF TV broadcasting. To use this unit, install it in a Sony MB-806A Tuner Base Unit.
The unit is designed to enable simultaneous use of multiple channels when channels are selected according to the Sony channel plan.
The following are the principal features of this unit.

Phase Locked Loop (PLL) synthesized system
The unit has a refined phase locked loop (PLL) synthesizer circuit and covers two UHF TV channels. It operates on 102 channels over a 14-MHz frequency.

Preprogrammed wireless channel plan for simultaneous multichannel operation
The unit has many preprogrammed, easily settable channels in a simultaneous multichannel operation. One group allows setting of 102 channels. The unit also has 12 preset groups of channels, each of which permits simultaneous operation of 5, 6, 8, 9 or 12 channels without the effects of intermodulation.

Versatile display
A liquid-crystal display provides a variety of information, including the levels of the reception channels, RF information and transmitter battery condition.

Space diversity reception system
The unit provides stable signal reception with minimum dropout.

Tone squelch circuit for noise elimination
A built-in squelch circuit eliminates noise and signal interference when the unit is in signal reception standby mode.

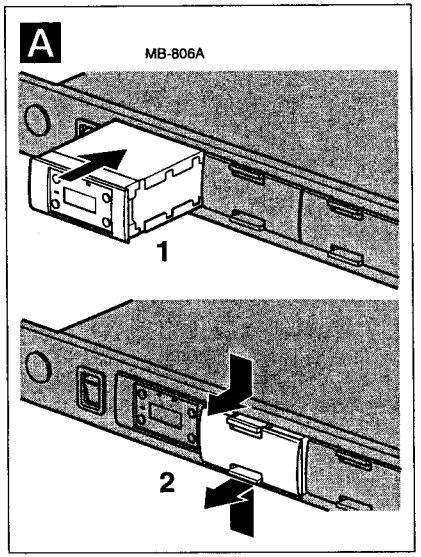
Compander system
A compander (compressor/expander) system enables stabilized wireless transmission over a wide dynamic range.

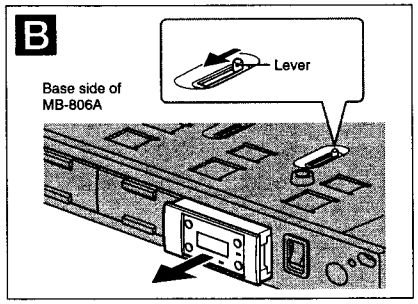
System Configuration

The unit can be used with a UHF Synthesized Wireless Microphone or UHF Synthesized Transmitter among the models listed in the table below.

Sony 800 MHz band system models

Frequency band		Model name	
TV channel	Frequency (MHz)	Transmitter or microphone	Tuner
66	792.250 to 798.500	WRT-805A (66) WRT-807A (66) WRT-810A (66) WRT-820A (66) WRT-822A (66) WRT-830A (66) WRT-860A (66) WRT-867A (66)	WRR-805A (66) WRR-802A (66) MB-806A with WRU-806A (66) WRR-810A (66) WRR-820A (66) WRR-840A (66) WRR-850A (66) WRR-855A (66) WRR-860A (66)
67	799.250 to 805.500		





Error Message

Apart from the normal indications, the following error messages may appear on the display.

Message	Meaning	Measures
Err 01	An error has occurred in the backup memory data.	The memory data is initialized. Reset the group and channel settings.
Err 02	The PLL-synthesized circuit has a malfunction.	Contact your nearest Sony dealer.
NO TONE	As no tone signal is available or a tone signal other than 32.768 kHz is being received, the audio signal output is muted.	Make sure that the transmitter is turned on. If it is, then the problem lies in the transmitter's tone signal generator or the tuner's tone squelch circuit. Contact your nearest Sony dealer. If you are using a WRT-810A wireless microphone, a "NO TONE" message appears when you turn off the AF switch, but this is normal.

Installing in the MB-806A

Up to six WRU-806A units can be installed in the MB-806A.

For information about operating this unit, refer to the Operating Instructions for the MB-806A.

Installation (See fig. A.)

Notes
- Be sure to power off the MB-806A before installing this unit.
- The buttons and display of this unit may be damaged if they are gripped too strongly. Always hold this unit by the side.
- Do not touch the connectors on the rear panel of this unit.
- Be careful of static electricity.

1 Hold this unit by the side and insert into the slot. Push in until you hear a click.

2 To install two or more units, detach the necessary number of blank panels by pushing in the top and bottom tabs of each panel and pulling the panel out. Then do step 1 for each unit.

Removal (See fig. B.)
On the base side of the MB-806A, locate the lever corresponding to the slot where the unit is installed and pull the lever forward. The unit is ejected from the slot.

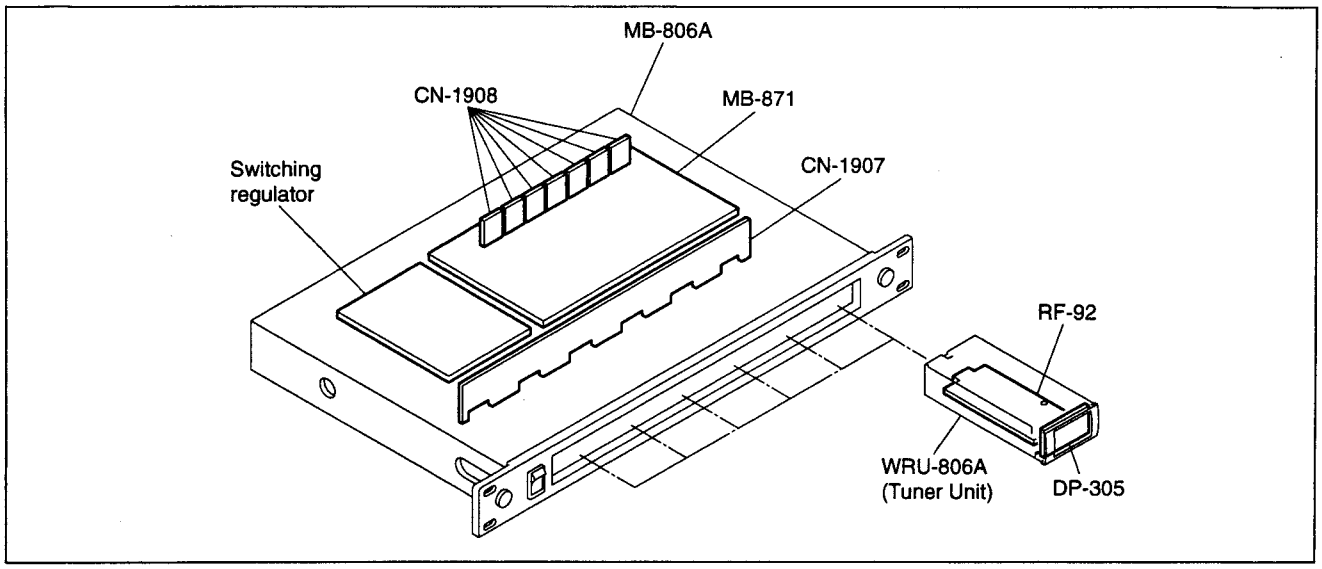
Precautions

On operation
- The unit must be used within a temperature range of 0°C to 40°C (32°F to 104°F). Avoid using the unit for extended periods at extremely high temperatures or placing it in direct sunlight, especially outdoors because this may damage the finish of the case. Never install the unit on or near a heat source, such as lighting equipment or power amplifiers.
- To avoid using in very humid or dusty places, because such use may shorten the life of the unit.
- To avoid degradation of the signal-to-noise ratio, do not use the unit in noisy places or in locations subject to noise or vibration, such as the following:
  - — near electrical equipment, such as motors, transformers or dimmers
  - — near air conditioning equipment or places subject to direct air flow from an air conditioner
  - — near public address loudspeakers
  - — where adjacent equipment might knock against the unit
- Switching lights on or off may produce electrical interference over the entire frequency range. Position the unit and the wireless microphones so that interference is minimized.
- The unit is precisely adjusted at the factory and no adjustment before use is necessary. Do not touch the inside of the unit or try to repair it by yourself.

On cleaning
Clean the unit with a dry, soft cloth. Never use thinner, benzene, alcohol or any other chemicals, since these may damage the finish.

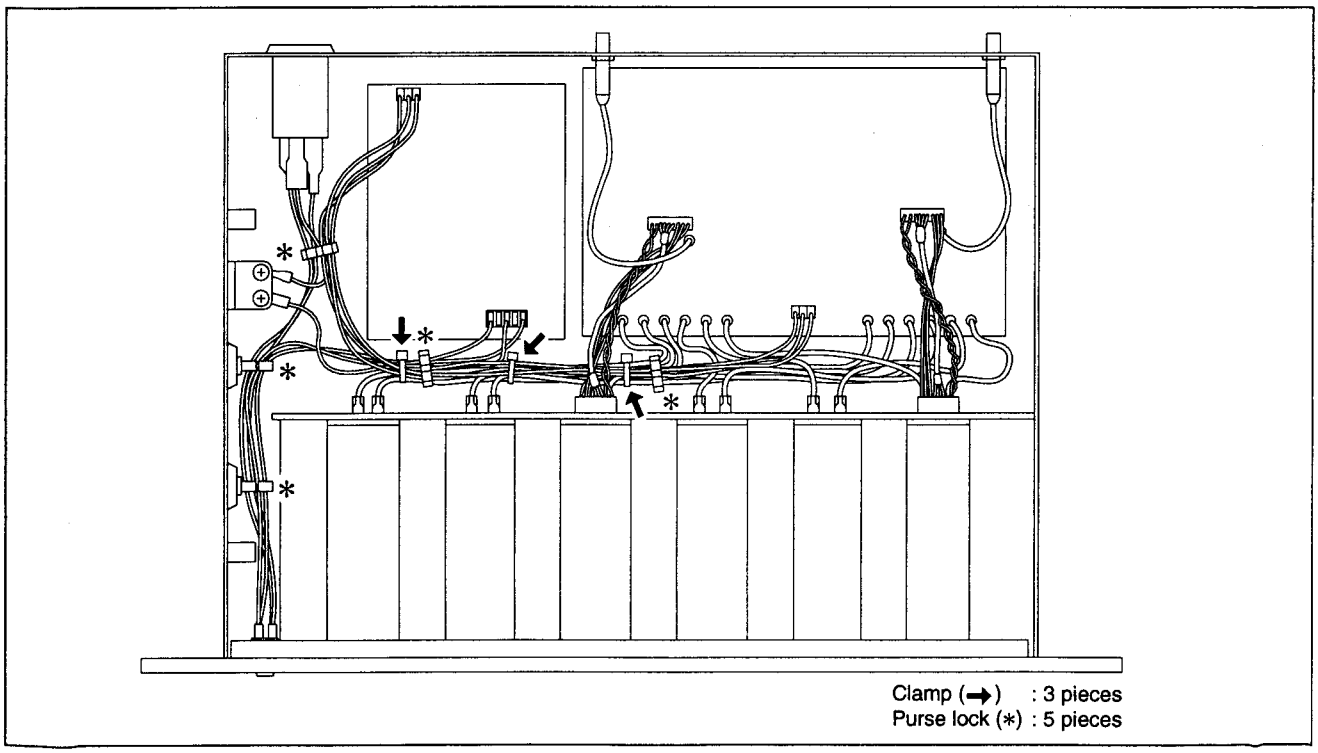
Section 2
Service Overview

2-1. Boards Location



2-2. Precaution in Wiring Harness

- The harness inside the MB-806A are laid out so that they are not positioned close to the heat-producing parts or high voltage present parts by routing the harnesses properly or using purse locks.
  Therefore, when the boards are replaced (or parts are replaced), be sure to return the harnesses to their original locations (see the following illustration).
- When replacing a board (or when replacing a part), turn the POWER switch OFF , and unplug the power cord from the AC inlet.



2-3. Error Messages

The following error messages will appear if an error is detected by the built-in self diagnostics function of the MB-806A with WRU-806A.

Error Massage	Comments	Countermeasure
Err 01	Error the backup memory	Because data is initialized, perform the group setting, channel setting again. Check the WRU-806A then fix a faulty section, and perform "3. Electrical Alignment" if there is an error message even when the setting had been completed again.
Err 02	PLL synthesizer circuit failed	Malfunction of WRU-806A. Check the WRU-806A then fix a faulty section, and perform "3. Electrical Alignment".
NO TONE	The tone signal is present, or audio signal output is muted because the receiver received a tone signal other than 32.768 kHz signal.	Make sure that the transmitter is turned on. If it is, then the problem lies in the transmitter's tone signal generator or the tuner's tone squelch circuit. If you are using a WRT-810A wireless microphone, a "NO TONE" message appears when you turn off the AF switch, but this is normal. • To check the characteristics, perform "3-2-2. Overall Characteristic Confirmation". If there are out of characteristics, tuner unit may defect. • Check the WRU-806A then fix a faulty section, and perform "3. Electrical Alignment".

2-4. Setting / Release of Muting Function

Set or release the following functions by operating the button on the front panel of the MB-806A (with WRU-806A).

Note: The muting function can be set and released separately for tuner [1] to [6]. (Tuner [1] to [6] ; when WRU-806A are installed.)

Function	Setting / Release
• Muting OFF by RF signal input level • Muting OFF by tone squelch	Muting OFF mode setting: When pressing the "GP" and "CH" buttons, turn ON the POWER switch.
• Muting OFF by noise squelch	Muting OFF mode releasing (Normal operation mode): Turn OFF the POWER switch.

Default Factory Setting : Muting OFF mode is released (Normal mode).

2-5. Service Information for WRU-806A

2-5-1. WRU-806A Removal

For removing a WRU-806A, see "Installing a WRU-806A Tuner Unit" on page 1-5.

2-5-2. WRU-806A Checking

The following procedures describe how to prove WRU-806A (repair unit) whether it needs to be repaired or not.

Equipment Required : MB-806A (quality unit)
WRU-806A (quality unit)

(1) Install the repair WRU-806A to be examined in a quality MB-806A.
(2) Check the fault with a quality MB-806A.
- If there is a fault, WRU-806A (repair unit) is defective.
  Check the WRU-806A then fix a faulty section, and perform "3. Electrical Alignment".

- If there is no fault found on the MB-806A, repairing WRU-806A is no longer defective. Thus the repairing MB-806A, other than WRU-806A, is defective.

Section 3
Electrlcal Alignment

3-1. Preparation

3-1-1. Equipment and Tools

Equipment

Name	Specifications		Model name
Signal generator	Frequency:	100 kHz to 990 MHz	HEWLETT PACKARD 8656B or equivalent
Spectrum analyzer	Frequency:	10 kHz to 5 GHz	ADVANTEST TR4173 or equivalent
DC volt meter (Multi Meter)	Effective digits:	3 1/2 digits	—
Audio analyzer	Frequency:	10 Hz to 100 kHz	HEWLETT PACKARD 8903B equivalent
RF millivolt meter	Frequency:	10 kHz to 1000 MHz	MEGURO MV-19B, C (with 50 Ω termination prove chip MP-3109) or equivalent
Level meter	Frequency:	20 Hz to 100 kHz	—
Noise meter	Frequency: Filter (included):	10 Hz to 500 kHz A weighted filter	MEGURO MN-445B or equivalent
Tracking generator	Frequency:	100 kHz to 2 GHz	ADVANTEST TR4153A or equivalent
Function generator	32.768 kHz (and 32.782 kHz) ±1 Hz signal (sine wave) can be generated.		HEWLETT PACKARD 8904A or equivalent
Mic amp	Gain:	0 dB to 70 dB (with A weighted filter)	—
Oscilloscope	Frequency:	DC to 30 MHz	—

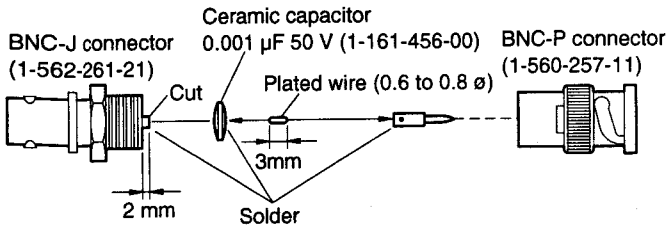
Tools

Name	Part No.	Remarks
Adjuster (0.4 × 1.3 mm)	7-721-052-81	For adjustment
DC cut fixture	—	Refer to "How to make DC cut fixture"
91 Ω metal film resistor	1-214-609-00	

How to make DC cut fixture

Required parts

BNC-J connector; 1 (Part No. 1-562-261-21)
BNC-P connector; 1 (Part No. 1-560-257-11)
Ceramic capacitor 0.001 µF; 1 (Part No. 1-161-456-00)



3-2. Adjustments

This section describes the following adjustments (and checks) required to satisfy the specifications.

Adjustment Item

3-2-1. WRU-806A Tuner Unit Adjustment
1. Muting level and RF level adjustment
2. Output level adjustment
3. Noise squelch adjustment

3-2-2. Overall Characteristic Check
1. Output level check
2. S/N check
3. Frequency characteristic check
4. Distortion ratio check
5. RF level indicator check
6. AF level indicator/AF indicator check
7. Muting level/RF indicator check
8. BATT indicator check
9. Tone squelch check
10. DC +9 V OUT voltage check

Note

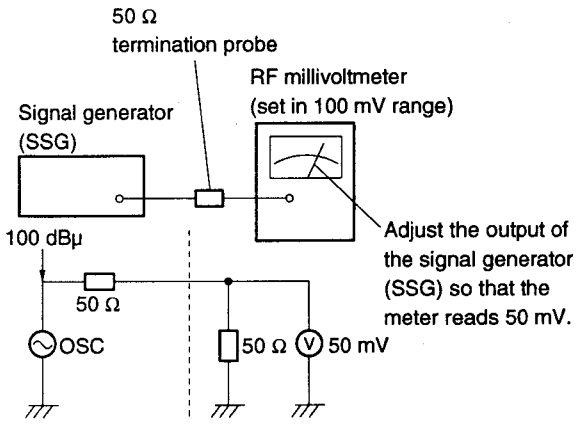
0 dBμV_{EMF} = −113 dBm
(EMF = Electromotive force)
0 dBm = 1 mW at 50 Ω loaded

Note on Adjustment

The RF level of the input signal (the output level of the signal generator) for adjustment is expressed as an open ended voltage in unit dBμ (0 dBμ = 1 μV).
The adjustment is to be performed by calibrating the output level of the signal generator
as shown below.

Calibration method

(1) Connect the RF millivoltmeter to the signal generator as shown in the figure below.
(2) Adjust the level of the output signal from the signal generator (SSG) so that the RF millivoltmeter reads 50 mV. The level of the output signal from the signal generator (SSG) when RF millivoltmeter reads 50 mV shall be specified as 100 dBμ (at no load).



3-2-1. WRU-806A Tuner Unit Adjustment

Note

The adjustment must be performed with WRU-806A Tuner Unit installed with MB-806A unit.

1. Muting level and RF level adjustment

Perform this adjustment when Muting levels deviate from the specification.
This adjustment is performed automatically by the learning function of the WRU-806A (MB-806A) RSSI learning.

Preparation

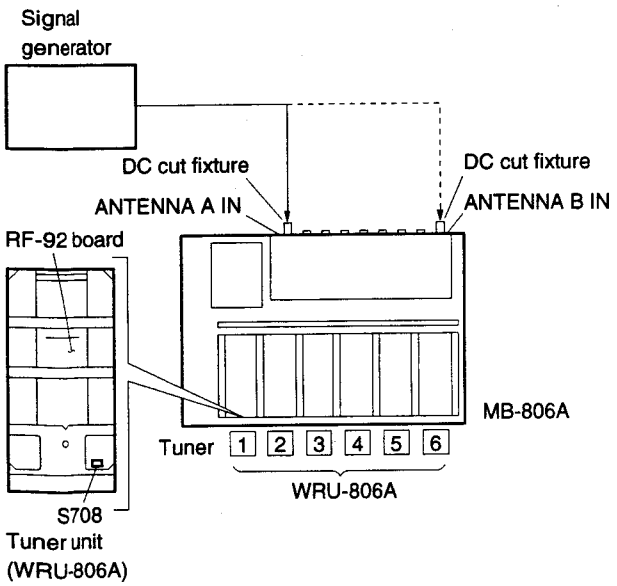
Before the adjustments, turn off the POWER switch of the MB-806A, and perform the following.

1. Remove the case cover of the MB-806A.
2. Remove the tuner unit (WRU-806A) to be adjusted from the MB-806A. Refer to " Section 1. Operating Instructions " for removal.
3. Remove the upper side case lid of the tuner unit (WRU-806A), and insert the tuner unit (WRU-806A) to the slot of the MB-806A.

Equipment and Tools

Signal generator
DC cut fixture (See "How to make DC cut fixture" on page 3-1.)

Connection



Procedure

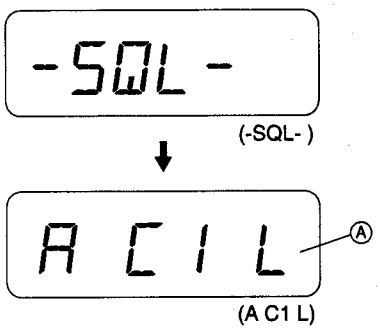
Step 1: Preparation
Set the signal generator as follows:
Signal generator setting
FREQUENCY(carrier frequency):
CE62 model; 802.000 MHz
CE69 model; 855.000 MHz
AU66 model; 795.000 MHz
RF OUTPUT (Output level): 35 dBμVEMF
(= −78 dBm)
MODULATION (Modulation frequency):
OFF (No modulation)

Step 2: Tuner [1] (Tune unit 1) adjustment

Note

The adjustment procedures describe that the WRU-806A (to be adjusted) is installed into the Tuner [1] slot on the MB-806A.

(1) Connect the signal generator to the ANTENNA A IN connector with DC cut fixture.
(2) Turn OFF the MB-806A POWER switch.
(3) Set the RF OUTPUT (output level) of the signal generator to the OFF.
(4) While pressing the S708 switch on the RF-92 board (WRU-806A, Tuner [1]), turn on the MB-806A POWER switch.
(5) Indication on LCD (Tuner [1]) appears as follows:
LCD:



(6) Set the RF OUTPUT (output level) of the signal generator to the ON.

(7) Check first that indication "L" of "AC1L" on the LCD (Tuner [1]) has disappeared, and then press the S708 switch on the RF-92 board (WRU-806A, Tuner [1]).

Note

If the "L" indication does not disappear from the LCD (on Ⓐ area: refer to the previous procedure (5) (when the RF input level is lower than the reference level) or "H" is displayed (when the RF input level is higher than the reference level), perform the following adjustment.

① Check the RF output level and frequency of the signal generator (perform re-setting if necessary), and repeat from procedure (1).

② If the above conditions (the "L" indication does not disappear, or "H" is displayed) remain even after re-adjustment, it is necessary to check the WRU-806A Tuner Unit.

(8) Indication on the LCD (Tuner [1]) appears as follows:
LCD:

(A C2 L)

(9) Set the FREQUENCY (carrier frequency) of the signal generator as follow.
FREQUENCY(carrier frequency):
CE62 model; 806.000 MHz
CE69 model; 858.000 MHz
AU66 model; 799.000 MHz

(10)Check first that indication "L" of "AC2L" on the LCD (Tuner [1]) has disappeared, and then press the S708 switch on the RF-92 board (WRU-806A, Tuner [1]).

(11)Indication on the LCD (Tuner [1]) appears as follows:
LCD:

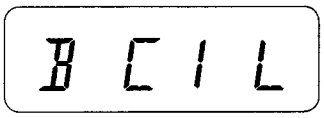
(A C3 L)

(12)Set the FREQUENCY (carrier frequency) of the signal generator as follow.
FREQUENCY(carrier frequency):
CE62 model; 811.000 MHz
CE69 model; 861.000 MHz
AU66 model; 804.000 MHz

(13)Check first that indication "L" of "AC3L" on the LCD (Tuner [1]) has disappeared, and then press the "SET" button on the front panel (Tuner [1]).

(14)Connect the signal generator to the ANTENNA B IN connector with DC cut fixture.

(15)Indication on LCD (Tuner [1]) appears as follows:
LCD:

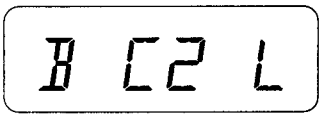


(B C1 L)

(16)Set the FREQUENCY(carrier frequency) of the signal generator as follows;
FREQUENCY(carrier frequency):
CE62 model; 802.000 MHz
CE69 model; 855.000 MHz
AU66 model; 795.000 MHz

(17)Check first that indication "L" of "BC1L" on the LCD has disappeared, and then press the S708 switch on the RF-92 board (WRU-806A, Tuner [1]).

(18)Indication on the LCD (Tuner [1]) appears as follows:
LCD:

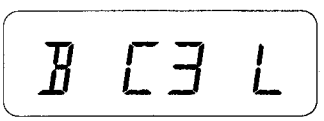


(B C2 L)

(19)Set the FREQUENCY(carrier frequency) of the signal generator as follows;
FREQUENCY(carrier frequency):
CE62 model; 806.000 MHz
CE69 model; 858.000 MHz
AU66 model; 799.000 MHz

(20)Check first that indication "L" of "BC2L" on the LCD (Tuner [1]) has disappeared, and then press the S708 switch on the RF-92 board (WRU-806A, Tuner [1]).

(21)Indication on the LCD (Tuner [1]) appears as follows:
LCD:



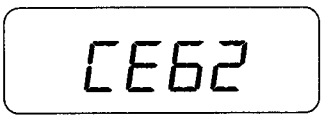
(B C3 L)

(22)Set the FREQUENCY(carrier frequency) of the signal generator as follows;
FREQUENCY(carrier frequency):
CE62 model; 811.000 MHz
CE69 model; 861.000 MHz
AU66 model; 804.000 MHz

(23)Check first that indication "L" of "BC3L" on the LCD (Tuner [1]) has disappeared, and then press the S708 switch on the RF-92 board (WRU-806A, Tuner [1]).

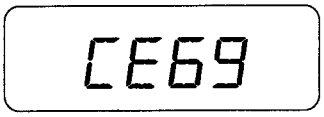
(24)Indication on the LCD (Tuner [1]) appears as follows:
LCD:

• CE62 model



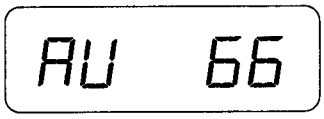
(CE62)

• CE69 model



(CE69)

• AU66 model



(AU66)

Adjustment is completed. (Normal operation mode)

Step 3: Tuner [2] to Tuner [6] adjustment
When the WRU-806A Tuner Unit is installed in the Tuner [2] (Tuner unit 2) to Tuner [6] (Tuner unit 6) of the MB-806A, perform the adjustments from procedures (1) to (23) of "Step 2. Tuner [1] (Tuner unit 1) Adjustment" on the respective tuner units that are installed in the MB-806A. When performing the above described adjustments change the following details as shown below, of the "Step 2. Tuner [1] (Tuner unit 1) Adjustment."

Tuner [1] → Tuner [2], [3], [4], [5], and [6]
Tuner unit 1 → Tuner unit 2, 3, 4, 5, and 6

2. Output level adjustment

Perform this adjustment when the TUNER OUTPUT levels deviate from the specification.

Preparation

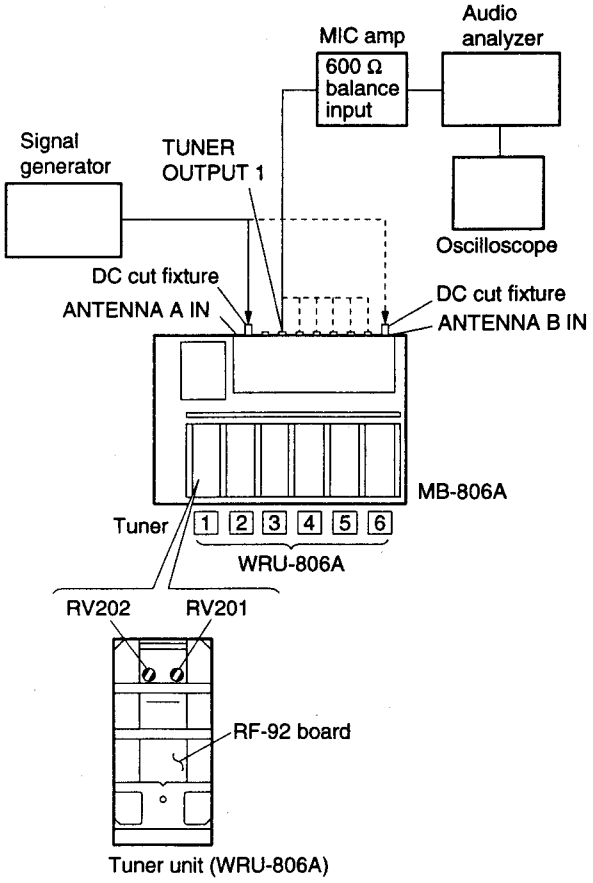
Before the adjustments, turn off the POWER switch of the MB-806A, and perform the following.

1. Remove the case cover of the MB-806A.
2. Remove the tuner unit (WRU-806A) to be adjusted from the MB-806A. Refer to " Section 1. Operating Instructions " for removal.
3. Remove the upper side case lid of the tuner unit (WRU-806A), and insert the tuner unit (WRU-806A) to the slot of the MB-806A.

Equipment and Tools

- Audio analyzer (level meter, distortion meter)
- Mic amp (Noise meter)
- Oscilloscope
- Adjuster (0.4 × 1.3 mm): (Part No. 7-221-652-81)
- DC cut fixture (See the "How to make DC cut fixture" on page 3-1.)

Connection/Adjustment Location



Switch and Control Setting

Front panel (Tuner [1])

Channel setting:

CE62 model; Group 00, 6301 channel (806.125 MHz)

CE69 model; Group 00, 6933 channel (858.125 MHz)

AU66 model; Group00, 6701 channel (799.250 MHz)

Muting: OFF

Rear panel

ATT (ANTENNA A, B) switch: 0 dB

Procedure

Step 1: Preparation

Set the signal generator as follows:

Signal generator setting

FREQUENCY(carrier frequency):

CE62 model; 806.125 MHz

CE69 model; 858.125 MHz

AU66 model; 799.250 MHz

RF OUTPUT (Output level): 60 dBμVEMF (= −53 dBm)

MODULATION (Modulation frequency): 1 kHz

DEVIATION (Frequency deviation): ±5 kHz

Step 2: Tuner [1] (Tuner unit 1) adjustment

Note

The adjustment procedures describe that the WRU-806A (to be adjusted) is installed into the Tuner [1] slot on the MB-806A.

(1) Connect the audio analyzer to the TUNER OUTPUT 1 connector via MIC amp.

(2) Connect the signal generator to the ANTENNA A IN connector with DC cut fixture.

(3) Adjustment (ANTENNA A IN side adjustment)

Specification: Output level (level meter indication level) = −21 dBm ±0.5 dB (at 600 Ω loaded)

Adjustment: ⊘RV202/RF-92 board (Tuner unit 1)

(4) Connect the signal generator to the ANTENNA B IN connector with DC cut fixture.

(5) Adjustment (ANTENNA B IN side adjustment)

Specification: Output level (level meter indication level) = −21 dBm ±0.5 dB (at 600 Ω loaded)

Adjustment: ⊘RV201/RF-92 board (Tuner unit 1)

Note

The output level difference between the ANTENNA A side and the ANTENNA B side should be within 0.3 dB.

Step 3: Tuner [2] to [6] adjustment

When the WRU-806A Tuner Unit is installed in the Tuner [2] (Tuner unit 2) to Tuner [6] (Tuner unit 6) of the MB-806A, perform the adjustments from procedures (1) to (5) of "Step 2. Tuner [1] (Tuner unit 1) adjustment" on the respective tuner units that are installed in the MB-806A. When performing the above described adjustments change the following details as shown below of the "Step 2. Tuner [1] (Tuner unit 1) adjustment."

Tuner [1] adjustment → Tuner [2], [3], [4], [5], or [6] adjustment

Measurement:

TUNER OUTPUT 1 → TUNER OUTPUT 2, 3, 4, 5, or 6

Adjustment:

Tuner unit 1 → Tuner unit 2, 3, 4, 5, or 6

Step 4:

After completing adjustment, turn off the MB-806A power switch and perform the followings.

(1) Remove the WRU-806A Tuner Unit to be adjusted from the MB-806A.

(2) Attach the upper side case lid to the tuner unit, and insert the WRU-806A Tuner Unit to be adjusted to the slot of the MB-806A.

3. Noise squelch adjustment

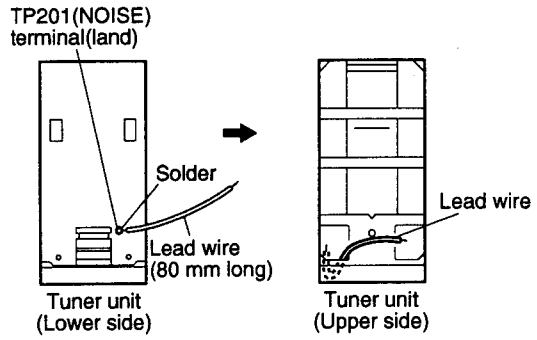
Equipment and Tools

- Signal generator
- Audio analyzer (level meter, distortion meter)
- Mic amp (Noise meter)
- Oscilloscope
- Adjuster(0.4 × 1.3 mm) : (Part No. 7-221-652-81)
- DC cut fixture (See the "How to make DC cut fixture" on page 3-1.)

Preparation

Before the adjustments, turn off the POWER switch of the MB-806A, and perform the following.

1. Remove the case cover of the MB-806A.
2. Remove the tuner unit (WRU-806A) to be adjusted from the MB-806A. Refer to " Section 1. Operating Instructions " for removal.
3. Remove the upper and lower side case lids of the tuner unit (WRU-806A) to be adjusted.
4. Solder a wire (80 mm long) to the TP201 (NOISE) terminal (land) on the RF-92 board, and take out the free side of the wire (80 mm long) to the upper side of the tuner unit as shown below.



5. Attach the lower side case lid to the tuner unit, and insert the tuner unit to the slot of the MB-806A.

Connection

Same as " 2. Output level adjustment ".

Switch and Control Setting

Front panel (Tuner [1])

Channel setting:

CE62 model; Group 00, 6301 channel (806.125 MHz)
CE69 model; Group 00, 6933 channel (858.125 MHz)
AU66 model; Group00, 6701 channel (799.250 MHz)

Muting: OFF

Rear panel

ATT(ANTENNA A, B) switch: 0 dB

Procedure

Step 1: Tuner [1] (Tuner unit 1) adjustment

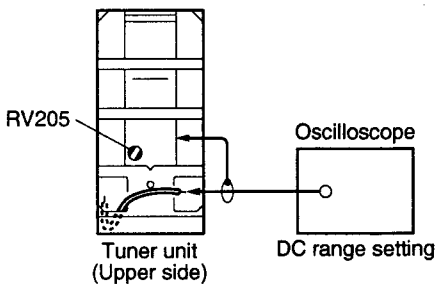
Note

The adjustment procedures describe that the WRU-806A (to be adjusted) is installed into the Tuner [1] slot on the MB-806A.

(1) S/N check
Perform the " 2. S/N Check " of Section 3-2-2. Overall Characteristics Check.
When checking the S/N at 0 dBμVEMF (= −113 dBm), note the ANNTENA A or B IN connector which shows the better S/N.

(2) Connect the signal generator to the ANTENNA A (or B) IN connector which showed the better S/N at the input of 0 dBμVEMF (= −113 dBm) under "(1) S/N check".

(3) Connect the oscilloscope to the wire (TP201 terminal) as shown below.



(4) Set the signal generator as follows;
Signal generator setting
FREQUENCY(carrier frequency):
CE62 model; 806.125 MHz
CE69 model; 858.125 MHz
AU66 model; 799.250 MHz
RF OUTPUT (Output level): 0 dBμVEMF
(= −113 dBm)
MODULATION (Moduation frequency): 1 kHz
DEVIATION (Frequency deviation): ±5 kHz

(5) Adjust the RF OUTPUT (Output level) of the signal generator so that Signal to Noise ratio is 34 dB ±5 dB (S/N; 34 dB ±5 dB) under the " (1) S/N check ".
(6) Turn ⊘RV205 (tuner unit) slowly counterclockwise to be the DC voltage of the TP201(NOISE) terminal (land) change "L" (about 0 V).
(7) Adjustment

Specification: DC voltage of the TP201 (NOISE) terminal (land) change from "L"(about 0 V) to "H"(about 4.8 V) level.

Adjustment: ⊘RV205/RF-92 board (tuner unit 1) Turn ⊘RV205 slowly clockwise for adjustment.

Step 2: Tuner [2] to [6] adjustment

When the WRU-806A Tuner Unit is installed in the Tuner [2] (Tuner unit 2) to Tuner [6] (Tuner unit 6) of the MB-806A, perform the adjustments from the procedure (1) to (6) of " Step 1: Tuner [1] (Tuner unit 1) adjustment" on the respective tuner unit that are installed in the MB-806A. When performing the above described adjustment change the following details as shown below of the "Step 1: Tuner [1] (Tuner unit 1) adjustment".

Tune [1] → Tuner [2], [3], [4], [5], or [6]

Step 3:

After completing adjustment, turn off the MB-806A power switch and perform the followings.

(1) Remove the tuner unit from the MB-806A.
(2) Remove the lower side case lid from the tuner unit, and unsolder the wire (80 mm long) from the TP201 (NOISE) terminal (land).
(3) Attach the upper and lower side case lids to the tuner unit, and insert the tuner unit to the slot of the MB-806A.

3-2-2. Overall Characteristics Check

Perform the overall characteristics check according to the following procedure.

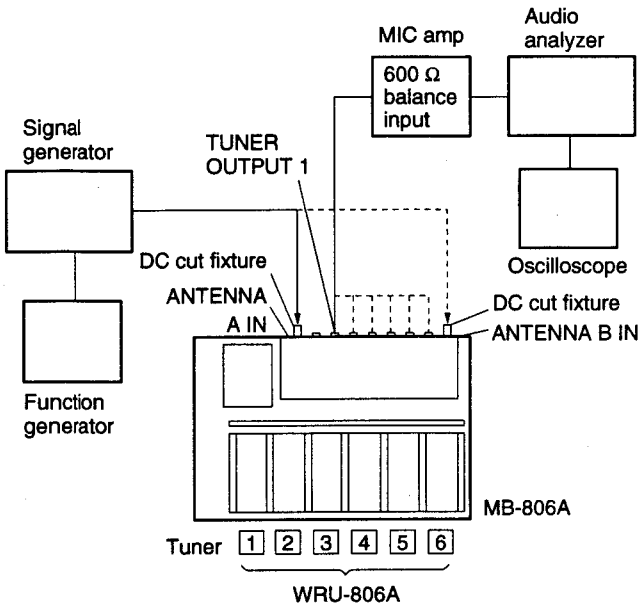
Procedure

1. Output level check
   ↓
2. S/N check
   ↓
3. Frequency characteristic check
   ↓
4. Distortion check
   ↓
5. RF Level indicator check
   ↓
6. AF Level indicator/AF indicator check
   ↓
7. Muting level/RF indicator check
   ↓
8. BATT indicator check
   ↓
9. Tone squelch check
   ↓
10. DC + 9 V OUT voltage check

Equipment and Tools

- Signal generator
- Audio analyzer
- Mic amp (Noise mete) with A-weighted filter
- Function generator
- Oscilloscope
- DC current meter
- DC cut fixture (See "How to make DC cut fixture" on page 3-1.)

Connection



1. Output level check

Procedure

Step 1: Tuner [1] (Tuner unit 1) checking

Note

The checking procedures describe that the WRU-806A(to be adjusted) is installed into the Tuner [1] slot on the MB-806A.

(1) Set the MB-806A as follows;
Front panel (Tuner [1])
FREQUENCY(carrier frequency):
Channel setting:
CE62 model; Group 00, 6301 channel (806.125 MHz)
CE69 model; Group 00, 6933 channel (858.125 MHz)
AU66 model; Group00, 6701 channel (799.250 MHz)
Muting: OFF
Rear panel
ATT (ANTENNA A, B IN) switch: 0 dB
OUTPUT LEVEL switch: −20 dBm (LINE)

(2) Connect the audio analyzer to the TUNER OUTPUT 1 connector via MIC amp.

(3) Connect the signal generator to the ANTENNA A IN connector with DC cut fixture.

(4) Set the signal generator as follows:
Signal generator setting
CE62 model; 806.125 MHz
CE69 model; 858.125 MHz
AU66 model; 799.250 MHz
RF OUTPUT (Output level): 60 dBμVEMF
(= −53 dBm)
MODULATION (Modulation frequency): 1 kHz
DEVIATION (Frequency deviation): ±5 kHz

(5) Check that the TUNER OUTPUT 1 connector output level is −21 dBm ±1.5 dB (at 600 Ω loaded).

(6) Connect the audio analyzer to the MIX OUTPUT connector via MIC amp.

(7) Check that the MIX OUTPUT connector output level is −21 dBm ±1.5 dB (at 600 Ω loaded).

(8) Set the MIX OUTPUT LEVEL switch is −58 dBm (MIC).

(9) Check that the TUNER OUTPUT 1 connector output level is −59 dBm ±1.5 dB. (at 600 Ω loaded)

(10) Check that the MIX OUTPUT connector output level is −59 dBm ±1.5 dB (at 600 Ω loaded).

(11) Connect the signal generator to the ANTENNA B IN connector, and perform the procedures (4) to (10) above.

Step 2: Tuner [2] to [6] checking

When the WRU-806A Tuner Unit is installed in the Tuner [2] (Tuner unit 2) to Tuner [6] (Tuner unit 6) of the MB-806A, perform the adjustments from procedures (1) to (11) of "Step 1. Tuner [1] (Tuner unit 1) checking" on the respective tuner units that are installed in the MB-806A. When performing the above described checking charge the following details as shown below, of the "Step 1. Tuner [1] (Tuner unit 1) checking".

Tuner [1] → Tuner [2], [3], [4], [5], and [6]
TUNER OUTPUT 1 → TUNER OUTPUT 2, 3, 4, 5, and 6

2. S/N Check

Procedure

Step 1: Tuner [1] (Tuner unit 1) checking

Note

The checking procedures describe that the WRU-806A (to be adjusted) is installed into the Tuner [1] slot on the MB-806A.

(1) Set the MB-806A as follows;
Front panel (Tuner [1])
Channel setting:
CE62 model; Group 00, 6301 channel (806.125 MHz)
CE69 model; Group 00, 6933 channel (858.125 MHz)
AU66 model; Group00, 6701 channel (799.250 MHz)
Muting: OFF
Rear panel
ATT (ANTENNA A, B IN) switch: 0 dB

(2) Connect the audio analyzer to the TUNER OUTPUT 1 connector via MIC amp.

(3) Connect the signal generator to the ANTENNA A IN connector with DC cut fixture.

(4) Set the signal generator as follows:
Signal generator setting
FREQUENCY(carrier frequency):
CE62 model; 806.125 MHz
CE69 model; 858.125 MHz
AU66 model; 799.250 MHz
RF OUTPUT (Output level): 60 dBμVEMF
(= −53 dBm)
MODULATION (Modulation frequency): 1 kHz
DEVIATION (Frequency deviation): ±5 kHz

(5) Read the output level of the TUNER OUTPUT 1 connector (Audio analyzer indication level). This level is specified to be 0 dB.

(6) Turn OFF the MODULATION (modulation frequency) of the signal generator (No modulation).

(7) Check that output level of the TUNER OUTPUT 1 is −62 dB or less (S/N is 62 dB or more with A-weighted filter) as compared with the level of procedure (4) above.

(8) Change the RF OUTPUT (output level) of the signal generator as shown below.
RF OUTPUT (output level): 20 dBμVEMF
(= −93 dBm)

(9) Check that output level of the TUNER OUTPUT 1 is −50 dB or less (S/N is 50 dB or more with A-weighted filter) as compared with the level of procedure (5) above.

(10) Change the RF OUTPUT (output level) of the signal generator as shown below.
RF OUTPUT (output level): 60 dBμVEMF
(= −53 dBm)

(11) Set the audio analyzer to the distortion mode.

(12) Check that distortion ratio is −45 dB or less (0.56 % or less) with A-weighted.

(13) Connect the signal generator to the ANTENNA B IN connector with DC cut fixture.

(14) Perform the procedures (4) through (12) above.

(15) Set the channel and FREQUENCY (carrier frequency) of the signal generator as shown ① and ② below. Perform the procedures (1) to (14) above, for each channel setting (① and ②).
① Channel setting:
CE62 model: Group 00, 6217 channel (800.125 MHz)
CE69 model: Group 00, 6901 channel (854.125 MHz)
AU66 model: Group 00, 6601 channel (792.250 MHz)
Signal generator setting:
FREQUENCY(Carrier frequency)
CE62 model: 800.125 MHz
CE69 model: 854.125 MHz
AU66 model: 792.250 MHz
② Channel setting:
CE62 model: Group 00, 6363 channel (813.875 MHz)
CE69 model: Group 00, 6964 channel (862.000 MHz)
AU66 model: Group 00, 6751 channel (805.500 MHz)
Signal generator setting:
FREQUENCY(Carrier frequency):
CE62 model: 813.875 MHz
CE69 model: 862.000 MHz
AU66 model: 805.500 MHz

Step 2: Tuner [2] to [6] checking

When the WRU-806A Tuner Unit is installed in the Tuner [2] (Tuner unit 2) to Tuner [6] (Tuner unit 6) of the MB-806A, perform the adjustments from procedures (1) to (15) of "Step 1. Tuner [1] (Tuner unit 1) checking" on the respective tuner units that are installed in the MB-806A. When performing the above described checking change the following details as shown below, of the "Step 1. Tuner [1] (Tuner unit 1) checking".

Tuner [1] → Tuner [2], [3], [4], [5], and [6]
TUNER OUTPUT 1 → TUNER OUTPUT 2, 3, 4, 5, and 6

3. Frequency characteristic check

Procedure

Step 1: Tuner [1] (Tuner unit 1) checking

Note

The checking procedures describe that the WRU-806A (to be adjusted) is installed into the Tuner [1] slot on the MB-806A.

(1) Set the MB-806A as follows;
Front panel (Tuner [1])
Channel setting:
CE62 model; Group 00, 6301 channel (806.125 MHz)
CE69 model; Group 00, 6933 channel (858.125 MHz)
AU66 model; Group00, 6701 channel (799.250 MHz)
Muting: OFF
Rear panel
ATT (ANTENNA A, B) switch: 0 dB

(2) Connect the audio analyzer to the TUNER OUTPUT 1 connector via MIC amp.

(3) Connect the signal generator to the ANTENNA A IN connector with DC cut fixture.

(4) Set the signal generator as follows:
Signal generator setting
FREQUENCY(carrier frequency):
CE62 model; 806.125 MHz
CE69 model; 858.125 MHz
AU66 model; 799.250 MHz
RF OUTPUT (Output level): 60 dBμVEMF
(= −53 dBm)
MODULATION (Modulation frequency): 1 kHz
DEVIATION (Frequency deviation): ±12 kHz

(5) Read the output level of the TUNER OUTPUT 1 (indication of the audio analyzer).
This level is specified to be 0 dB.

(6) Change the MODULATION (modulation frequency) of the signal generator as follows, and check the output level with respect to the output level under the procedure (3) is set also as follows.
Note
100 Hz and 15 kHz modulation frequency must be set by using the function generator.

MODULATION frequency of signal generator	TUNER OUTPUT 1 connector output level
100 Hz	−0.7 ±1.0 dB
15 kHz	−28.5 ±2.5 dB

(7) Connect the signal generator to the ANTENNA B IN connector with DC cut fixture, and perform the procedures (4), (5) and (6).

Step 2: Tuner [2] to Tuner [6] checking

When the WRU-806A Tuner Unit is installed in the Tuner [2] (Tuner unit 2) to Tuner [6] (Tuner unit 6) of the MB-806A, perform the adjustments from procedures (1) to (7) of "Step 1. Tuner [1] (Tuner unit 1) checking" on the respective tuner units that are installed in the MB-806A. When performing the above described checking change the following details as shown below, of the "Step 1. Tuner [1] (Tuner unit 1) checking".

Tuner [1] → Tuner [2], [3], [4], [5], and [6]
TUNER OUTPUT 1 → TUNER OUTPUT 2, 3, 4, 5, and 6

4. Distortion ratio check

Procedure

Step 1: Tuner [1] (Tuner unit 1) checking

Note

The checking procedures describe that the WRU-806A (to be adjusted) is installed into the Tuner [1] slot on the MB-806A.

(1) Set the MB-806A as follows;
Front panel (Tuner [1])
Channel setting:
CE62 model; Group 00, 6301 channel (806.125 MHz)
CE69 model; Group 00, 6933 channel (858.125 MHz)
AU66 model; Group00, 6701 channel (799.250 MHz)
Muting: OFF
Rear panel
ATT (ANTENNA A, B) switch: 0 dB

(2) Connect the audio analyzer to the TUNER OUTPUT 1 connector via MIC amp.

(3) Connect the signal generator to the ANTENNA A IN connector with DC cut fixture.

(4) Set the signal generator as follows:
Signal generator setting
FREQUENCY(carrier frequency):
CE62 model; 806.125 MHz
CE69 model; 858.125 MHz
AU66 model; 799.250 MHz
RF OUTPUT (Output level): 60 dBμVEMF
(= −53 dBm)
MODULATION (Modulation frequency): 1 kHz
DEVIATION (Frequency deviation): ±40 kHz

(5) Set the audio analyzer to the distortion mode, and check that the distortion ratio is less than 0.7 %.

(6) Change the MODULATION (modulation frequency) of the signal generator as shown below.
MODULATION (modulation frequency): 10 kHz
(Note; 10 kHz modulation frequency must be set by using the function generator.)
Check that the distortion ratio is less than 4 %.

(7) Connect the signal generator to the ANTENNA B IN connector with DC cut fixture, and perform the procedures (4) through (6) above.

(8) Set the channel setting (Tuner [1]) and FREQUENCY (carrier frequency) of the signal generator as shown ① and ② below.
Perform the procedures (1) to (7) above, for each channel setting (① and ②).
① Channel setting:
CE62 model: Group 00, 6217 channel (800.125 MHz)
CE69 model: Group 00, 6901 channel (854.125 MHz)
AU66 model: Group 00, 6601 channel (792.250 MHz)
Signal generator setting:
FREQUENCY (Carrier frequency)
CE62 model: 800.125 MHz
CE69 model: 854.125 MHz
AU66 model: 792.250 MHz
② Channel setting:
CE62 model: Group 00, 6363 channel (813.875 MHz)
CE69 model: Group 00, 6964 channel (862.000 MHz)
AU66 model: Group 00, 6751 channel (805.500 MHz)
Signal generator setting:
FREQUENCY (Carrier frequency):
CE62 model: 813.875 MHz
CE69 model: 862.000 MHz
AU66 model: 805.500 MHz

Step 2: Tuner [2] to Tuner [6] checking

When the WRU-806A Tuner Unit is installed in the Tuner [2] (Tuner unit 2) to Tuner [6] (Tuner unit 6) of the MB-806A, perform the adjustments from procedures (1) to (7) of "Step 1. Tuner [1] (Tuner unit 1) checking" on the respective tuner units that are installed in the MB-806A.
When performing the above described checking change the following details as shown below, of the "Step 1. Tuner [1] (Tuner unit 1) checking".

Tuner [1] → Tuner [2], [3], [4], [5], and [6]
TUNER OUTPUT 1 → TUNER OUTPUT 2, 3, 4, 5, and 6

5. RF level indicator/RF indicator check

Procedure

Step 1: Tuner [1] (Tuner unit 1) checking

Note

The checking procedures describe that the WRU-806A (to be adjusted) is installed into the Tuner [1] slot on the MB-806A.

(1) Set the MB-806A as follows;
Front panel (Tuner [1])
Channel setting:
CE62 model; Group 00, 6301 channel (806.125 MHz)
CE69 model; Group 00, 6933 channel (858.125 MHz)
AU66 model; Group00, 6701 channel (799.250 MHz)
Muting: ON
Rear panel
ATT (ANTENNA A, B) switch: 0 dB

(2) Connect the signal generator to the ANTENNA A IN connector with DC cut fixture.

(3) Set the signal generator as follows:
Signal generator setting
FREQUENCY(carrier frequency):
CE62 model; 806.125 MHz
CE69 model; 858.125 MHz
AU66 model; 799.250 MHz
RF OUTPUT (Output level): 0 dBμVEMF
(= −113 dBm)
MODULATION (Modulation frequency): 1 kHz
DEVIATION (Frequency deviation): ±5 kHz

(4) Increase gradually the output level from the signal generator, and check that the output level of the signal generator is as follows when the RF input level indicator (Tuner [1]) lights.

RF level indicator (green) lights in of Tuner [1]	Signal generator output level
LCD: ○○○ / Lighting ●	25 dBμVEMF ±5 dB
LCD: ○○ / Lighting ●●	35 dBμVEMF ±5 dB
LCD: ○ / Lighting ●●●	45 dBμVEMF ±5 dB
LCD: / Lighting ●●●●	55 dBμVEMF ±5 dB

(5) Connect the signal generator to the ANTENNA B IN connector with DC cut fixture, and perform the procedures (3) and (4) above.

(6) Set the channel setting (Tuner [1]) and FREQUENCY (carrier frequency) of the signal generator as shown ① and ② below.
Perform the procedures (1) through (5) above, for each channel setting (① and ②).

① Channel setting:
CE62 model: Group 00, 6217 channel (800.125 MHz)
CE69 model: Group 00, 6901 channel (854.125 MHz)
AU66 model: Group 00, 6601 channel (792.250 MHz)
Signal generator setting:
FREQUENCY (Carrier frequency)
CE62 model: 800.125 MHz
CE69 model: 854.125 MHz
AU66 model: 792.250 MHz

② Channel setting:
CE62 model: Group 00, 6363 channel (813.875 MHz)
CE69 model: Group 00, 6964 channel (862.000 MHz)
AU66 model: Group 00, 6751 channel (805.500 MHz)
Signal generator setting:
FREQUENCY (Carrier frequency):
CE62 model: 813.875 MHz
CE69 model: 862.000 MHz
AU66 model: 805.500 MHz

Step 2: Tuner [2] to Tuner [6] checking

When the WRU-806A Tuner Unit is installed in the Tuner [2] (Tuner unit 2) to Tuner [6] (Tuner unit 6) of the MB-806A, perform the adjustments from procedures (1) to (6) of "Step 1. Tuner [1] (Tuner unit 1) checking" on the respective tuner units that are installed in the MB-806A. When performing the above described checking change the following details as shown below, of the "Step 1. Tuner [1] (Tuner unit 1) checking".

Tuner [1] → Tuner [2], [3], [4], [5], and [6]

6. AF level indicator/AF indicator check

Procedure

Step 1: Tuner [1] (Tuner unit 1) checking

Note

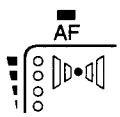
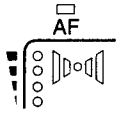
The checking procedures describe that the WRU-806A(to be adjusted) is installed into the Tuner [1] slot on the MB-806A.

(1) Set the MB-806A as follows;
Front panel (Tuner [1])
Channel setting:
CE62 model; Group 00, 6301 channel (806.125 MHz)
CE69 model; Group 00, 6933 channel (858.125 MHz)
AU66 model; Group00, 6701 channel (799.250 MHz)
Muting: OFF
Rear panel
ATT (ANTENNA A, B) switch: 0 dB

(2) Connect the signal generator to the ANTENNA A IN connector with DC fixture.

(3) Set the signal generator as follows:
Signal generator setting
FREQUENCY(carrier frequency):
CE62 model; 806.125 MHz
CE69 model; 858.125 MHz
AU66 model; 799.250 MHz
RF OUTPUT (Output level): 60 dBμVEMF
(= −53 dBm)
MODULATION (Modulation frequency): 1 kHz

(4) Increase gradually DEVIATION (frequency deviation) of the signal generator starting from ±3 kHz, and check that the deviation of the signal generator is ±(5.0 ±1.0) kHz with the AF indicator as follows.

DEVIATION setting on signal generator	AF indicator of Tuner [1]	
±(5.0 ±1.0) kHz	AF level indicator (LCD); Lights. AF indicator (LED); Lights.	
Less than ±(5.0 ±1.0) kHz	AF level indicator (LCD); Goes out. AF indicator (LED); Goes out.	

(5) Connect the signal generator to the ANTENNA B IN connector with DC cut fixture, and perform the procedures (3) and (4) above.

Step 2: Tuner [2] to Tuner [6] checking

When the WRU-806A Tuner Unit is installed in the Tuner [2] (Tuner unit 2) to Tuner [6] (Tuner unit 6) of the MB-806A, perform the adjustments from procedures (1) to (4) of "Step 1. Tuner [1] (Tuner unit 1) checking" on the respective tuner units that are installed in the MB-806A. When performing the above described checking change the following details as shown below, of the "Step 1. Tuner [1] (Tuner unit 1) checking".

Tuner [1] → Tuner [2], [3], [4], [5], and [6]

7. Muting level check

Procedure

Step 1: Tuner [1] (Tuner unit 1) checking

Note

The checking procedures describe that the WRU-806A (to be adjusted) is installed into the Tuner [1] slot on the MB-806A.

(1) Set the MB-806A as follows;
Front panel (Tuner [1])
Channel setting:
CE62 model; Group 00, 6301 channel (806.125 MHz)
CE69 model; Group 00, 6933 channel (858.125 MHz)
AU66 model; Group00, 6701 channel (799.250 MHz)
Muting: ON (Normal mode)
Rear panel
ATT (ANTENNA A, B) switch: 0 dB

(2) Connect the signal generator to the ANTENNA A IN connector with DC cut fixture.

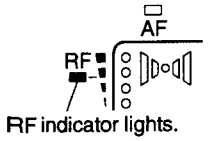
(3) Set the signal generator as follows:
Signal generator setting
FREQUENCY(carrier frequency):
CE62 model; 806.125 MHz
CE69 model; 858.125 MHz
AU66 model; 799.250 MHz
RF OUTPUT (Output level): 60 dBμVEMF
(= −53 dBm)
MODULATION (Modulation frequency): 1 kHz
DEVIATION (Frequency deviation): ±5 kHz

(4) Check that RF Indicator LED lights (green) and "NO TONE" message appears on LCD (Tuner [1]).

(5) Change the RF OUTPUT (output level) of the signal generator as shown below.
RF OUTPUT (output level): 15 dBμVEMF
(= −98 dBm)

(6) Check that RF Indicator LED goes off (green) and "NO TONE" message disappears on LCD (Tuner [1]).

(7) Increase gradually the RF OUTPUT (output level) of the signal generator. Check that RF OUTPUT (output level) is 25 dBμVEMF ±5 dB at when RF Indicator lights (green LED) and "NO TONE" message appears on LCD (Tuner [1]).



RF indicator lights.

(8) Connect the signal generator to the ANTENNA B IN connector with DC cut fixture, and perform the procedures (3) through (7) above.

(9) Set the channel setting (Tuner [1]) and FREQUENCY (carrier frequency) of the signal generator as shown ① and ② below.
Perform the procedures (1) to (8) above, for each channel setting (① and ②).
① Channel setting:
CE62 model: Group 00, 6217 channel (800.125 MHz)
CE69 model: Group 00, 6901 channel (854.125 MHz)
AU66 model: Group 00, 6601 channel (792.250 MHz)
Signal generator setting:
FREQUENCY (Carrier frequency)
CE62 model: 800.125 MHz
CE69 model: 854.125 MHz
AU66 model: 792.250 MHz
② Channel setting:
CE62 model: Group 00, 6363 channel (813.875 MHz)
CE69 model: Group 00, 6964 channel (862.000 MHz)
AU66 model: Group 00, 6751 channel (805.500 MHz)
Signal generator setting:
FREQUENCY (Carrier frequency):
CE62 model: 813.875 MHz
CE69 model: 862.000 MHz
AU66 model: 805.500 MHz

Step 2: Tuner [2] to Tuner [6] checking

When the WRU-806A Tuner Unit is installed in the Tuner [2] (Tuner unit 2) to Tuner [6] (Tuner unit 6) of the MB-806A, perform the adjustments from procedures (1) to (4) of "Step 1. Tuner [1] (Tuner unit 1) checking" on the respective tuner units that are installed in the MB-806A. When performing the above described checking change the following details as shown below, of the "Step 1. Tuner [1] (Tuner unit 1) checking".

Tuner [1] → Tuner [2], [3], [4], [5], and [6]

8. BATT (Battery) indicator check

Procedure

Step 1: Tuner [1] (Tuner unit 1) checking

Note

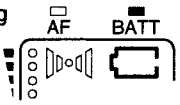
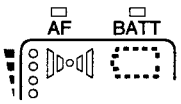
The checking procedures describe that the WRU-806A (to be adjusted) is installed into the Tuner [1] slot on the MB-806A.

(1) Set the MB-806A as follows;
Front panel (Tuner [1])
Channel setting:
CE62 model; Group 00, 6301 channel (806.125 MHz)
CE69 model; Group 00, 6933 channel (858.125 MHz)
AU66 model; Group00, 6701 channel (799.250 MHz)
Muting: ON (Normal mode)
Rear panel
ATT (ANTENNA A, B) switch: 0 dB

(2) Connect the signal generator to the ANTENNA A IN connector with DC cut fixture.

(3) Set the signal generator as follows:
Signal generator setting
FREQUENCY(carrier frequency):
CE62 model; 806.125 MHz
CE69 model; 858.125 MHz
AU66 model; 799.250 MHz
RF OUTPUT (Output level): 60 dBμVEMF
(= −53 dBm)
MODULATION (Modulation frequency):
32.782 kHz
(32.782 kHz must be set by connecting Function generator)
DEVIATION (Frequency deviation): ±2.1 kHz

(4) Turn on and off the MODULATION (modulation frequency) of the signal generator as follows, and check that BATT Indicator (Tuner [1]) change also as follows:

MODULATION setting of signal generator	BATT indicator of Tuner [1]
ON	BATT indicator (LCD); Turn the signal generator on and BATT indicator starts blinking after 30 seconds.  BATT indicator (LED); Turn the signal generator on and BATT indicator starts blinking after 30 seconds.
OFF	BATT indicator (LCD); Goes out.  BATT indicator (LED); Goes out.

(5) Connect the signal generator to the ANTENNA B IN connector with DC cut fixture, and perform the procedures (3) and (4) above.

Step 2: Tuner [2] to Tuner [6] checking

When the WRU-806A Tuner Unit is installed in the Tuner [2] (Tuner unit 2) to Tuner [6] (Tuner unit 6) of the MB-806A, perform the adjustments from procedures (1) to (4) of "Step 1. Tuner [1] (Tuner unit 1) checking" on the respective tuner units that are installed in the MB-806A. When performing the above described checking change the following details as shown below, of the "Step 1. Tuner [1] (Tuner unit 1) checking".

Tuner [1] → Tuner [2], [3], [4], [5], and [6]

9. Tone squelch check

Procedure

Step 1: Tuner [1] (Tuner unit 1) checking

Note

The checking procedures describe that the WRU-806A (to be adjusted) is installed into the Tuner [1] slot on the MB-806A.

(1) Set the MB-806A as follows;
Front panel (Tuner [1])
Channel setting:
CE62 model; Group 00, 6301 channel (806.125 MHz)
CE69 model; Group 00, 6933 channel (858.125 MHz)
AU66 model; Group00, 6701 channel (799.250 MHz)
Muting: ON (Normal mode)
Rear panel
ATT (ANTENNA A, B) switch: 0 dB

(2) Connect the signal generator to the ANTENNA A IN connector with DC cut fixture.

(3) Set the signal generator as follows:
Signal generator setting
FREQUENCY(carrier frequency):
CE62 model; 806.125 MHz
CE69 model; 858.125 MHz
AU66 model; 799.250 MHz
RF OUTPUT (Output level): 60 dBμVEMF
(= −53 dBm)
MODULATION (Modulation frequency):
32.768 kHz
(32.768 kHz must be set by connecting Function generator)
DEVIATION (Frequency deviation): ±1.4 kHz

(4) Turn on and off the MODULATION (modulation frequency) of the signal generator as follows, and the LCD indicator (Tuner [1]) changes also as follows.

MODULATION ON/OFF on signal generator	LCD indication of Tuner [1]
ON	GP/CH indication (LCD): CE62 model; "00. 6301" appears. CE69 model; "00. 6933" appears. AU66 model; "00. 6701" appears.
OFF	GP/CH indication (LCD): "NO TONE" appears.

(5) Connect the signal generator to the ANTENNA B IN connector with DC cut fixture, and perform the procedures (3) and (4) above.

Step 2: Tuner [2] to Tuner [6] checking

When the WRU-806A Tuner Unit is installed in the Tuner [2] (Tuner unit 2) to Tuner [6] (Tuner unit 6) of the MB-806A, perform the adjustments from procedures (1) to (5) of "Step 1. Tuner [1] (Tuner unit 1) checking" on the respective tuner units that are installed in the MB-806A. When performing the above described checking change the following details as shown below, of the "Step 1. Tuner [1] (Tuner unit 1) checking".

Tuner [1] → Tuner [2], [3], [4], [5], and [6]

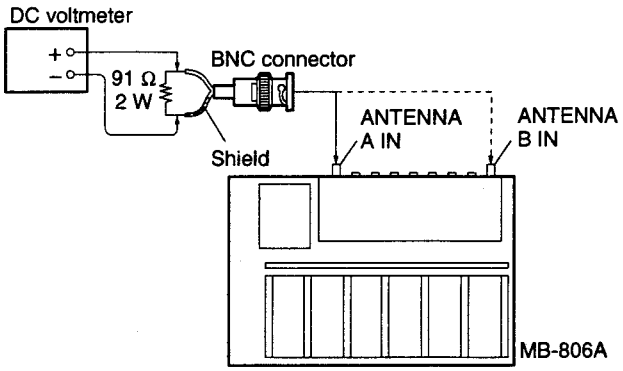
10. DC +9 V OUT voltage check

Equipment and Tools

- DC voltmeter (digital multi meter)
- Metal film resistor 91 Ω 2W (Part No. 1-214-609-00)

Procedure

(1) Connect the DC voltmeter to the ANTENNA A IN/DC 9 V OUT connector with 91 Ω resistor as shown figure below.



(2) Check that DC output voltage of ANTENNA A IN/DC 9 V OUT connector is +8.6 ±0.6 Vdc.

(3) Connect the DC voltmeter to the ANTENNA B IN/DC 9 V OUT connector with 91 Ω resistor.

(4) Check that DC output voltage of ANTENNA B IN/DC 9 V OUT connector is +8.6 ±0.6 Vdc.

Section 4
Semiconductor Pin Assignments

The semiconductors in the manual are listed by equivalent types. Thus the external view or the index mark indication may differ from the actual type.
In some cases incompatible types are also listed, therefore, when a part is to be replaced, also refer to the Spare Parts section.
Pin assignments and block diagrams are based on the IC manufacturer's data book.

ここに記載されている半導体は，それぞれの機能を等価的に表わしたものです。
外観やインデックスマークの表示方法が実物と異なる場合があります。
なお，互換性のない型名を併記している場合がありますので，部品を交換するときは，Spare Partsの章を参照してください。
ピン配置およびブロック図はICメーカーのデータブックに従いました。

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SML-310MTT86	4-2

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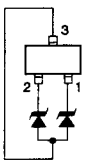
Diode, LED, Transistor

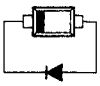
DIODE

—TOP VIEW—



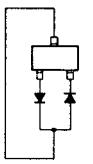
01ZA8.2(TPL3)

—TOP VIEW—

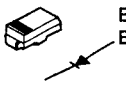


1SS355TE-17

—TOP VIEW—

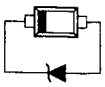


1SS362-TE85L
1SV234-TB



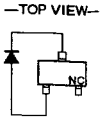
EC10QS-04
EC10QS-04-TE12L

—TOP VIEW—



HZU3.0B1TRF
HZU5.6B2TRF
HZU6.8B2TRF

—TOP VIEW—



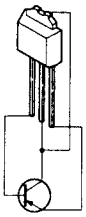
RB411D
RB411D-T146

LED

—TOP VIEW—

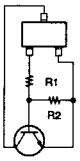
SML-310DTT86
SML-310LTT86
SML-310MTT86

TRANSISTOR



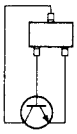
2SB1202FAST
2SB1202FAT-TL

—TOP VIEW—



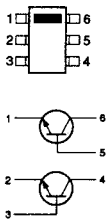
RN1104-TE85L
UN9213

—TOP VIEW—

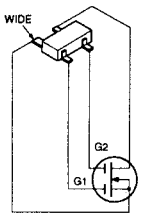


2SC4726LN-TLPQ
2SC4738-YGR-TE85L
2SC4915-O-TE85L
2SD1048-X7
2SD1048X6-TB
2SD2216-Q (TOSHIBA)
2SD596-T1DV4
2SD596DV345

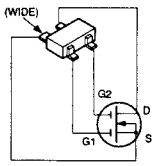
—TOP VIEW—



UMX2NTL

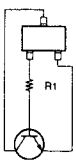


3SK239AXRTL



3SK254-T2
3SK255-T2

—TOP VIEW—

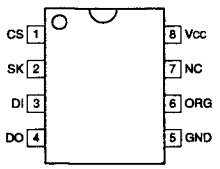


DTC323TK (R1=2.2 k)
DTC323TKT146

IC

CAT93C86S-LE10 (CATALYST)

16K-BIT SERIAL EEPROM
—TOP VIEW—



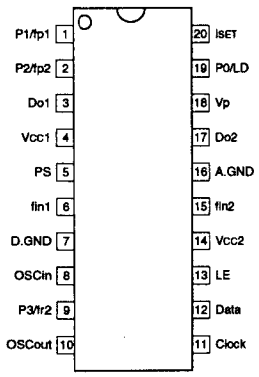
INPUTS
CS : CHIP SELECT
DI : SERIAL DATA
ORG : MEMORY ORGANIZATION
SK : CLOCK

OUTPUT
DO : SERIAL DATA

OTHER
NC : NO CONNECTION

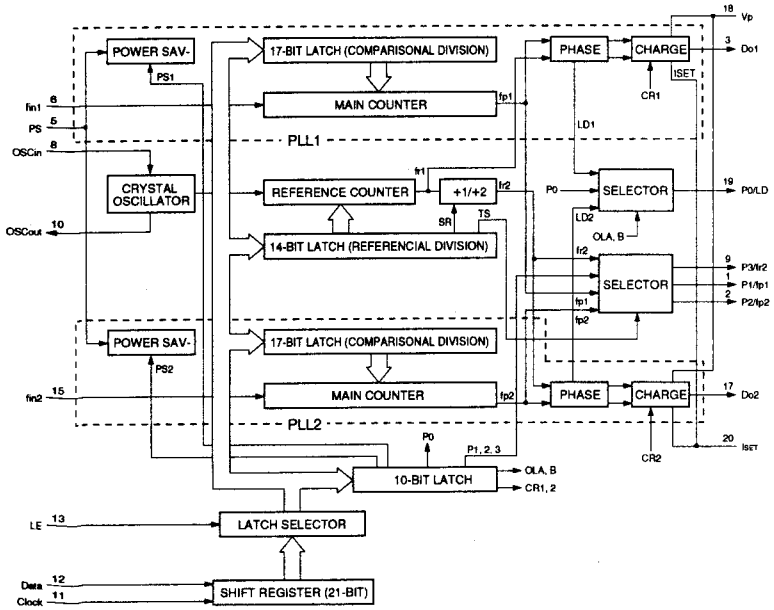
MB15U10PFV-ER (FUJITSU)

PLL FREQUENCY SYNTHESIZER WITH PRE-SCALER
—TOP VIEW—



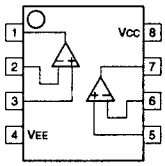
INPUTS
Clock : CLOCK
Data : DATA
fin1, fin2 : RF (PLL1, 2)
ISET : CHARGE PUMP OUTPUT CURRENT ADJUSTMENT
LE : LOAD ENABLE OF SERIAL INPUT DATA (H : DATA IS SHIFTED INTO A LATCH)
OSCin : CRYSTAL OSCILLATOR OR TCXO
PS : POWER SAVING MODE CONTROL (L : POWER SAVING MODE)
Vp : POWER SUPPLY FOR CHARGE PUMP

OUTPUTS
Do1, Do2 : CHARGE PUMP (PLL1, 2)
OSCout : CRYSTAL OSCILLATOR
P0 - P3 : DATA
LD : LOCK DETECTOR
fp1, fp2 : fp1, fp2 MONITORING
fr2 : fr2 MONITORING



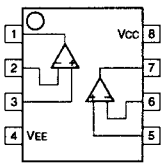
NJM2904V(TE2) (JRC)

DUAL OPERATIONAL AMPLIFIERS
(SINGLE-SUPPLY TYPE)
—TOP VIEW—



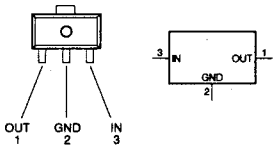
NJM4558V-TE2 (JRC)
NJM4560M (JRC)
NJM4560M-T1
NJM5532M (JRC)
NJM5532M-T1

DUAL OPERATIONAL AMPLIFIERS
(DUAL-SUPPLY TYPE)
—TOP VIEW—



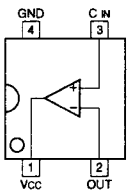
NJM78L06UA-TE1
TA78L05F-TE12L (TOSHIBA)

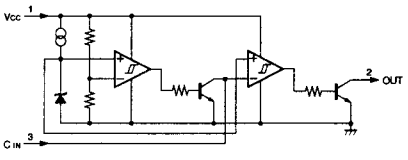
POSITIVE VOLTAGE REGULATOR
—SIDE VIEW—



PST575EMT-T1 (MITSUMI)

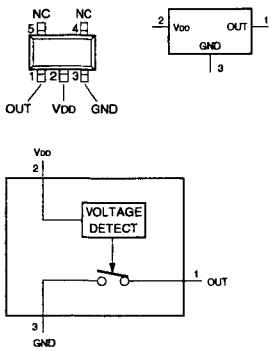
SYSTEM RESETTING
—TOP VIEW—





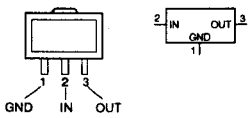
S-80751SN-JF-T1 (SEIKO INSTR)+5.1 V

C-MOS VOLTAGE DETECTOR
—TOP VIEW—



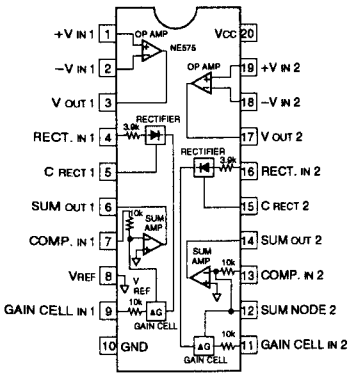
S-81250PG-PD-S
S-81250PG-PD-T1

THREE TERMINAL POSITIVE VOLTAGE REGULATOR
—TOP VIEW—



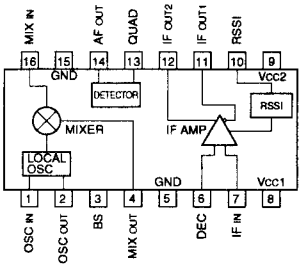
SA575DK-T (PHILIPS)

LOW VOLTAGE COMPANDOR
—TOP VIEW—



TA31161FN(EL) (TOSHIBA)

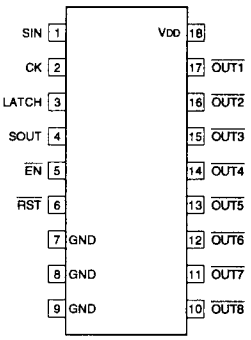
IF DETECTOR
—TOP VIEW—



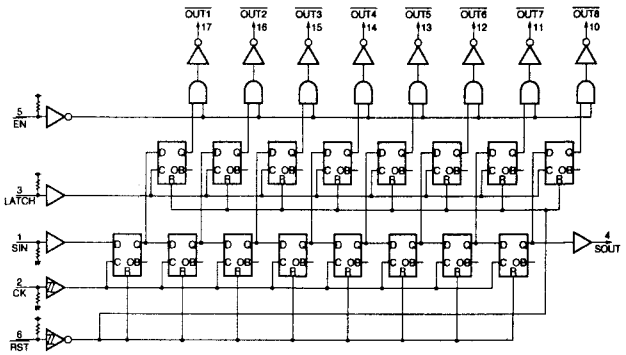
OSC IN, OUT	;	LOCAL OSC INPUT
BS	;	BATTERY SAVE
MIXER OUT	;	MIXER OUTPUT
DEC	;	BIAS FOR IF INPUT
IF IN	;	IF INPUT
RSSI	;	RSSI OUTPUT
IF OUT1, 2	;	IF LIMITTER OUTPUT
QUAD	;	PHASE INPUT FOR FM DETECTOR
AF OUT	;	DEMODULATION SIGNAL OUTPUT
MIX IN	;	MIXER INPUT

TA8122AF (TSB)
TA8122AF(J.TP2)

CMOS SHIFT RESISTOR WITH LATCH
—TOP VIEW—

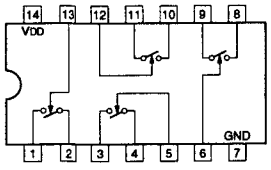


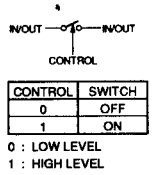
SIN	:	SERIAL DATA INPUT
CK	:	SHIFT CLOCK INPUT
LATCH	:	LATCH INPUT
SOUT	:	SHIFT RESISTOR (FINAL STAGE) OUTPUT
$\overline{EN}$	:	ENABLE INPUT
RST	:	RESET INPUT
$\overline{OUT1}$ - $\overline{OUT8}$	:	SHIFT RESISTOR LATCH OUTPUT1-8



TC4066BF(EL,N) (TOSHIBA)

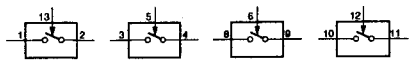
C-MOS QUAD BILATERAL ANALOG SWITCH
—TOP VIEW—





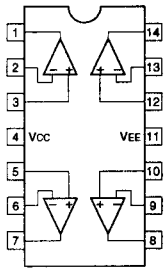
CONTROL	SWITCH
0	OFF
1	ON

0 : LOW LEVEL
1 : HIGH LEVEL



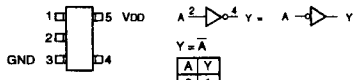
UPC4574G2 (NEC)
UPC4574G2-T1

QUAD OPERATIONAL AMPLIFIER
—TOP VIEW—



TC4S69F (TOSHIBA)
TC4S69F-TE85L

C-MOS INVERTER
—TOP VIEW—



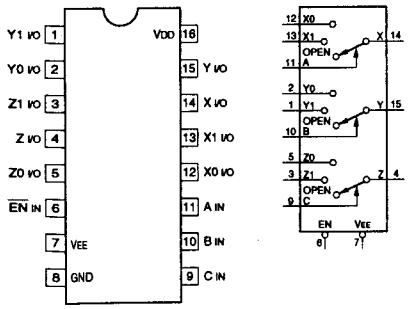
Y = $\overline{A}$

A	Y
0	1
1	0

0 : LOW LEVEL
1 : HIGH LEVEL

TC74HC4053AFT(EL) (TOSHIBA)

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
—TOP VIEW—



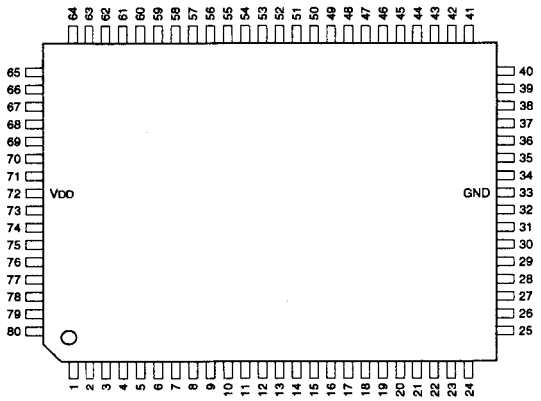
CONTROL INPUTS				ON CHANNEL		
EN	SELECT					
	C	B	A			
0	0	0	0	Z0	Y0	X0
0	0	0	1	Z0	Y0	X1
0	0	1	0	Z0	Y1	X0
0	0	1	1	Z0	Y1	X1
0	1	0	0	Z1	Y0	X0
0	1	0	1	Z1	Y0	X1
0	1	1	0	Z1	Y1	X0
0	1	1	1	Z1	Y1	X1
1	x	x	x	OPEN		

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE

CPU Pin Description : IC701

CXP83416-051Q

—TOP VIEW—



[Inputs]

Singal Name	Pin No.	Description
VDD	72	Power supply input +5V
VSS	33	GND for power supply input
EXTAL	31	Clock input (8 MHz)
XTAL	32	Clock input (8 MHz: Phase-reversal of EXTAL)
VLC1	37	Bias voltage input for LCD
VLC2	38	Bias voltage input for LCD
VLV3	39	Bias voltage input for LCD
ALO	22	Audio signal level (analog) input
RSSI(A)	23	RF signal level of ANTENNA A input
RSSI(B)	24	RF signal level of ANTENNA B input
MODEL	25	Judgment for model type (L: WRR-802A, H: MB-806A)
ADDRESS	27	Judgment for slot number (MB-806A)
DIST1	28	Selection 1 for destination (model type)
DIST2	29	Selection 2 for destination (model type)
TONE1	13	Tone signal detection (L: detecting)
NOISE	14	Noise signal detection (L: detecting)
TONE2	15	Battery tone signal detection (L: detecting)
PLL LD	16	PLL lock etection (H: Lock)
GP	80	GP operation button
CH	1	CH operation button
+	12	+ operation button
–	18	– operation button
SQL SET	21	RSSI learning mode setting
RST	30	Reset (L: ON)

[Outputs]

Singal Name	Pin No.	Description
MODEL	26	Model selection (L: WRR-802A, MB-806A)
COM0 - COM3	38 - 41	LCD control
SEG0 - SEG19	42 - 61	LCD control
VL	34	Bias voltage control for LCD
LED RF	71	Control for RF LED (H: ON)
LED AF	76	Control for AF LED (H: ON)
LED BATT	20	Control for BATT LED (H: ON)
DIV	66	Diversity control (H: ANT A, L: ANT B)
AFM	67	AF muting control (H: Muting OFF)

[Inputs/Outputs for EEPROM and PLL]

Singal Name	Pin No.	Description
ROM-DO	17	EEPROM control
ROM-CS	68	EEPROM control
ROM-SK/PLL-CLK	69	EEPROM/PLL control
ROM-DI/PLL-DATA	70	EEPROM/PLL control
PLL-LE	77	PLL control

[Inputs/Outputs for communication]

Singal Name	Pin No.	Description
IF-CS	6	Serial I/O control
IF-CLK	7	Serial I/O control
IF-DI	8	Serial I/O control
IF-DO	9	Serial I/O control
TEST	78	Test mode (L: ON)
MASTER/SLAVE	10	MASTER/SLAVE communication

[Others]

Singal Name	Pin No.	Description
PB0/CS1	5	NC
PB6/SI1	11	NC
PC6	19	NC
PE5/PWM0	3	NC
PE6/T0/ADJ	4	NC
PD4/SEG20	62	NC
PD5/SEG21	63	NC
PD6/SEG22	64	NC
PD7/SEG23	65	NC
TX	73	NC
PE1/INT1	79	Connect to GND
PE4/RMC	2	Connect to GND
TEX	74	Connect to GND
—	75	Connect to GND

Section 5
Spare Parts

5-1. Notes on Repair Parts

1. Safety Related Components Warning

WARNING

Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.
Parts list has the present standardized repair parts.

3. Stock of Parts

Parts marked with "o" at SP (Supply Code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

5-2. Exploded Views

MB-806A

No.	Part No.	SP	Description
1	A-8317-219-A	o	ROCKING ASSY
2	A-8323-043-A	o	MOTHER MOUNTED PC BOARD (B)
3	A-8323-049-A	o	CONNECTOR MOUNTED PC BOARD (A)
4	X-2542-175-1	o	PANEL ASSY, REAR
5	⚠ 1-251-627-11	s	INLET (WITH NOISE FILTER)
6	⚠ 1-468-230-12	s	REGULATOR, SWITCHING
7	1-562-576-11	s	ADAPTOR,CONVERSION (BNC-PIN)
8	1-674-362-11	o	PRINTED WIRING BOARD, CN-1908
9	⚠ 1-771-181-11	s	SWITCH, POWER
10	1-771-186-11	s	SWITCH, SLIDE
11	1-778-308-11	o	CONNECTOR (PLUG)
12	⚠ 1-955-536-11	o	HARNESS, SUB (ETH)
13	⚠ 1-958-375-11	o	HARNESS, SUB (LIVE)
14	⚠ 1-958-376-11	o	HARNESS, SUB (NEUTRAL)
15	⚠ 1-958-377-11	o	HARNESS, SUB (SW-RE)
16	2-536-671-01	s	CUSHION
17	2-545-189-02	o	RAIL
18	2-545-196-01	o	BARRIER (SW)
19	2-545-197-11	o	PANEL, FRONT
20	2-545-200-02	o	COVER
21	2-545-206-01	o	SPACER (PB)
22	2-545-216-01	o	INSULATING SHEET (B)
23	2-545-338-01	o	SPRING (F)
24	2-545-387-11	s	+BTT M3 (S TITE)
25	2-545-413-01	o	SIELD (R)
26	2-545-750-01	o	LID (BLIND)
27	4-942-568-41	s	EMBLEM (NO.5), SONY
28	9-911-844-99	s	SHEET, SPONGE

Accessory

29	1-501-952-11	s	ANTENNA

Screws/Washers

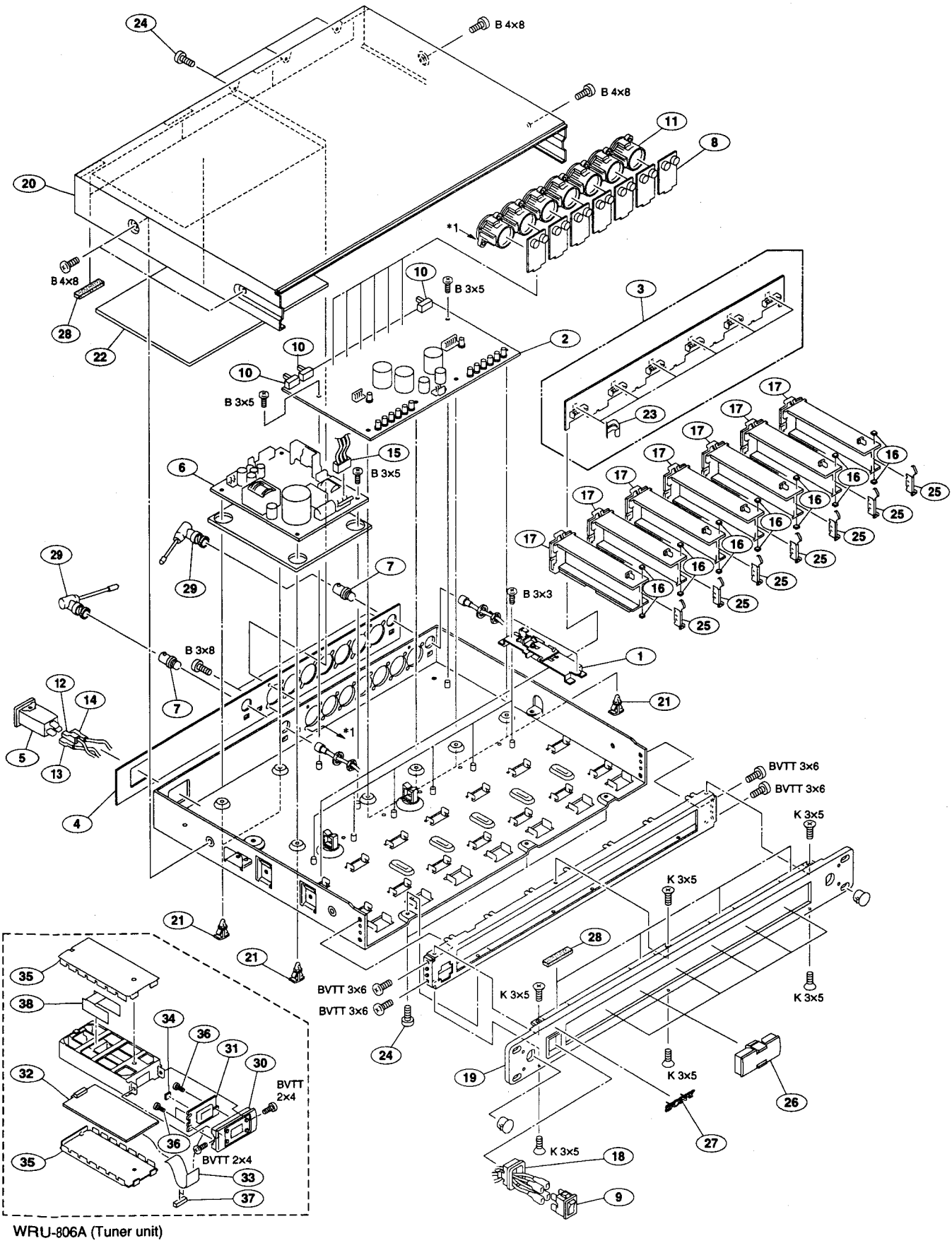
	7-682-246-09	s	SCREW +K 3X5 (EP-FE/ZNBK/CM2)
	7-682-544-01	s	SCREW +B 3X3
	7-682-546-04	s	SCREW +B 3X5 (EP-FE/CU,NI,CR)
	7-682-561-09	s	SCREW +B 4X8 (EP-FE/ZNBK/CM2)
	7-682-660-09	s	SCREW +PS 4X6 (EP-FE/ZNBK/CM2)
	7-685-546-19	s	SCREW +BTP 3X8 (EP-FE/ZNBK/CM2)
	7-685-871-01	s	SCREW +BVTT 3X6 (EP-FE/ZN/CM2)

WRU-806A

No.	Part No.	SP	Description
30	A-8323-062-A	o	CASE ASSY, F
31	A-8323-063-A	o	LCD ASSY
32	A-8323-071-A	o	TUNER MOUNTED PC BOARD (B) (FOR CE62 MODEL)
	A-8323-074-A	o	TUNER MOUNTED PC BOARD (B) (FOR CE69 MODEL)
	A-8323-093-A	o	TUNER MOUNTED PC BOARD (B) (FOR AU66 MODEL)
33	1-790-794-11	s	WIRE, FLAT TYPE (35 CORE)
34	2-536-671-01	s	CUSHION
35	2-545-180-03	o	LID
36	2-545-186-01	s	SCREW,+BTP 2X5 (W2)
37	2-545-371-01	s	GASKET
38	2-545-383-01	s	SPACER (B)

Screws/Washers

	7-685-851-09	s	SCREW +BVTT 2X4 (EP-FE/ZNBK/CM2)



WRU-806A (Tuner unit)

5-3. Electrical Parts List
5-3-1. MB-806A

CANON (CN-1908) BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-674-362-11	o	PRINTED WIRING BOARD, CN-1908
C1027	1-163-009-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C1028	1-163-009-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C1029	1-163-009-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C1030	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C1031	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
D1001	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1002	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
R1040	1-216-310-00	s	RESISTOR,CHIP 6.2 1/10W(2125)
R1041	1-216-310-00	s	RESISTOR,CHIP 6.2 1/10W(2125)
R1042	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)

CONNECTOR (CN-1907) BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8323-049-A	o	CONNECTOR MOUNTED PC BOARD (A)
6pcs	2-545-338-01	o	SPRING (F)
C111	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C114	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C115	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C121	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C124	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C125	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C131	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C134	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C135	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C141	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C144	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C145	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C151	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C154	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C155	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C161	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C164	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C165	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
CN111	1-569-668-11	s	CONNECTOR, 10P
CN112	1-569-668-11	s	CONNECTOR, 10P
CN113	1-569-668-11	s	CONNECTOR, 10P
CN114	1-569-668-11	s	CONNECTOR, 10P
CN115	1-569-668-11	s	CONNECTOR, 10P
CN116	1-569-668-11	s	CONNECTOR, 10P
CN1012	1-564-711-11	o	PIN,CONNECTOR (9P)
CN1013	1-564-711-11	o	PIN,CONNECTOR (9P)
D111	8-719-057-58	s	DIODE 1SV234-TB
D112	8-719-057-58	s	DIODE 1SV234-TB
D121	8-719-057-58	s	DIODE 1SV234-TB
D122	8-719-057-58	s	DIODE 1SV234-TB
D131	8-719-057-58	s	DIODE 1SV234-TB
D132	8-719-057-58	s	DIODE 1SV234-TB
D141	8-719-057-58	s	DIODE 1SV234-TB
D142	8-719-057-58	s	DIODE 1SV234-TB
D151	8-719-057-58	s	DIODE 1SV234-TB
D152	8-719-057-58	s	DIODE 1SV234-TB
D161	8-719-057-58	s	DIODE 1SV234-TB
D162	8-719-057-58	s	DIODE 1SV234-TB
R112	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R122	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R132	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R142	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R152	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R162	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)

MOTHER (MB-871) BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8323-043-A	o	MOTHER MOUNTED PC BOARD (B)
C1004	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1005	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1006	1-162-967-11	s	CAPACITOR,CERAMIC 3300PF/50V B
C1007	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1008	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1009	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1010	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1011	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1012	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C1013	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1014	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1016	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1017	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1018	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1019	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1020	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1021	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1022	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C1023	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C1024	1-162-958-11	s	CAPACITOR,CERAMIC 270PF/50V SL
C1025	1-104-544-11	s	CAPACITOR, CHIP FILM 0.0027MF
C1104	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1105	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1106	1-162-967-11	s	CAPACITOR,CERAMIC 3300PF/50V B
C1107	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1108	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1109	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1110	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1111	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1112	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C1113	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1114	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1116	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1117	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1118	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1119	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1120	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1121	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1122	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C1123	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C1124	1-162-958-11	s	CAPACITOR,CERAMIC 270PF/50V SL
C1125	1-104-544-11	s	CAPACITOR, CHIP FILM 0.0027MF
C1204	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1205	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1206	1-162-967-11	s	CAPACITOR,CERAMIC 3300PF/50V B
C1207	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1208	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1209	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1210	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1211	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1212	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C1213	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1214	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1216	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1217	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1218	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1219	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V

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Ref. No. or Q'ty	Part No.	SP	Description
C1220	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1221	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1222	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C1223	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C1224	1-162-958-11	s	CAPACITOR,CERAMIC 270PF/50V SL
C1225	1-104-544-11	s	CAPACITOR, CHIP FILM 0.0027MF
C1304	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1305	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1306	1-162-967-11	s	CAPACITOR,CERAMIC 3300PF/50V B
C1307	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1308	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1309	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1310	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1311	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1312	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C1313	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1314	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1316	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1317	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1318	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1319	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1320	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1321	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1322	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C1323	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C1324	1-162-958-11	s	CAPACITOR,CERAMIC 270PF/50V SL
C1325	1-104-544-11	s	CAPACITOR, CHIP FILM 0.0027MF
C1404	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1405	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1406	1-162-967-11	s	CAPACITOR,CERAMIC 3300PF/50V B
C1407	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1408	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1409	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1410	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1411	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1412	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C1413	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1414	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1416	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1417	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1418	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1419	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1420	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1421	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1422	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C1423	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C1424	1-162-958-11	s	CAPACITOR,CERAMIC 270PF/50V SL
C1425	1-104-544-11	s	CAPACITOR, CHIP FILM 0.0027MF
C1504	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1505	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1506	1-162-967-11	s	CAPACITOR,CERAMIC 3300PF/50V B
C1507	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1508	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1509	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1510	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1511	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1512	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C1513	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1514	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V

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Ref. No. or Q'ty	Part No.	SP	Description
C1516	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1517	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1518	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1519	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1520	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1521	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1522	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C1525	1-104-544-11	s	CAPACITOR, CHIP FILM 0.0027MF
C1525	1-162-958-11	s	CAPACITOR,CERAMIC 270PF/50V SL
C1525	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C1604	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1605	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1606	1-162-967-11	s	CAPACITOR,CERAMIC 3300PF/50V B
C1607	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1608	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1609	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1610	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C1611	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1612	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1613	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1614	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C1615	1-162-959-11	s	CAPACITOR,CERAMIC 330PF/50V SL
C1616	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1617	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1618	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1619	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1620	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1621	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1701	1-126-541-11	s	CAPACITOR,ELECT 330MF/25V 105C
C1702	1-126-541-11	s	CAPACITOR,ELECT 330MF/25V 105C
C1703	1-128-548-11	s	CAPACITOR,ELECT 4700MF/25V
C1704	1-128-548-11	s	CAPACITOR,ELECT 4700MF/25V
C1705	1-163-031-11	s	CAPACITOR, CHIP CERAMIC 0.01MF
C1706	1-163-031-11	s	CAPACITOR, CHIP CERAMIC 0.01MF
C1713	1-128-548-11	s	CAPACITOR,ELECT 4700MF/25V
C1714	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1715	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1716	1-113-981-11	s	CAPACITOR TANTALUM 22MF/20V
C1717	1-164-346-11	s	CAPACITOR CHIP CERAMIC 1MF/16V
C1718	1-113-981-11	s	CAPACITOR TANTALUM 22MF/20V
C1720	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C1722	1-113-981-11	s	CAPACITOR TANTALUM 22MF/20V
C1801	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C1802	1-163-031-11	s	CAPACITOR, CHIP CERAMIC 0.01MF
C1803	1-163-031-11	s	CAPACITOR, CHIP CERAMIC 0.01MF
C1804	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C1806	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1807	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C1810	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1811	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1812	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1813	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1814	1-163-251-11	s	CAPACITOR CERAMIC 100PF/50V
C1815	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1816	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1817	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1818	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1820	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1822	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B

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Ref. No. or Q'ty	Part No.	SP	Description
C1830	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C1831	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C1832	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C1833	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C1834	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C1835	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C1841	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1842	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1843	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1844	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1845	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1846	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1847	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1848	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1849	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1850	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1851	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1852	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1853	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C1854	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C1855	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C1856	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C1857	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C1858	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C1861	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C1862	1-163-031-11	s	CAPACITOR, CHIP CERAMIC 0.01MF
C1863	1-163-031-11	s	CAPACITOR, CHIP CERAMIC 0.01MF
C1864	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C1865	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C1866	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C1871	1-163-251-11	s	CAPACITOR CERAMIC 100PF/50V
C1873	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C1874	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C1875	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C1876	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C1877	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C1878	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C1879	1-135-179-21	s	CAPACITOR,TANTALUM 2.2MF/16V
C1880	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C1883	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1884	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1885	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1886	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1891	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1892	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1893	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C1894	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C1895	1-135-179-21	s	CAPACITOR,TANTALUM 2.2MF/16V
C1896	1-162-974-11	s	CAPACITOR,CERAMIC 0.01MF/50V F
C1897	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C1898	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C1951	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C1952	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C1953	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C1954	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C1955	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C1956	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C1957	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C1958	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)

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C1959	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C1960	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C1961	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C1962	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C2001	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C2002	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
CN1001	1-564-706-11	o	PIN,CONNECTOR (4P)
CN1101	1-564-706-11	o	PIN,CONNECTOR (4P)
CN1201	1-564-706-11	o	PIN,CONNECTOR (4P)
CN1301	1-564-706-11	o	PIN,CONNECTOR (4P)
CN1401	1-564-706-11	o	PIN,CONNECTOR (4P)
CN1501	1-564-706-11	o	PIN,CONNECTOR (4P)
CN1601	1-564-706-11	o	PIN,CONNECTOR (4P)
CN2001	1-564-104-00	o	PIN,CONNECTOR 3P
D1003	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1004	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1103	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1104	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1203	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1204	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1303	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1304	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1403	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1404	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1503	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1504	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1603	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1604	8-719-062-16	s	DIODE 01ZA8.2(TPL3)
D1701	8-719-210-39	s	DIODE EC10QS04
D1706	8-719-044-84	s	DIODE HZU3.0B1TRF
D1707	8-719-210-39	s	DIODE EC10QS04
D1708	8-719-975-40	s	DIODE RB411D(RECTI)
D1801	8-719-057-58	s	DIODE 1SV234-TB
D1802	8-719-057-58	s	DIODE 1SV234-TB
D1803	8-719-057-58	s	DIODE 1SV234-TB
D1804	8-719-057-58	s	DIODE 1SV234-TB
D1820	8-719-988-61	s	DIODE 1SS355TE-17
D1821	8-719-988-61	s	DIODE 1SS355TE-17
IC1001	8-759-141-05	s	IC UPC4574G2
IC1002	8-759-745-64	s	IC NJM4560M
IC1003	8-759-700-94	s	IC NJM5532M
IC1004	8-759-524-11	s	IC TC4066BF(EL,N)
IC1005	8-759-524-11	s	IC TC4066BF(EL,N)
IC1101	8-759-141-05	s	IC UPC4574G2
IC1102	8-759-745-64	s	IC NJM4560M
IC1103	8-759-700-94	s	IC NJM5532M
IC1104	8-759-524-11	s	IC TC4066BF(EL,N)
IC1105	8-759-524-11	s	IC TC4066BF(EL,N)
IC1201	8-759-141-05	s	IC UPC4574G2
IC1202	8-759-745-64	s	IC NJM4560M
IC1203	8-759-700-94	s	IC NJM5532M
IC1204	8-759-524-11	s	IC TC4066BF(EL,N)
IC1205	8-759-524-11	s	IC TC4066BF(EL,N)
IC1301	8-759-141-05	s	IC UPC4574G2
IC1302	8-759-745-64	s	IC NJM4560M
IC1303	8-759-700-94	s	IC NJM5532M
IC1304	8-759-524-11	s	IC TC4066BF(EL,N)
IC1305	8-759-524-11	s	IC TC4066BF(EL,N)

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Ref. No. or Q'ty	Part No.	SP	Description
IC1401	8-759-141-05	s	IC UPC4574G2
IC1402	8-759-745-64	s	IC NJM4560M
IC1403	8-759-700-94	s	IC NJM5532M
IC1404	8-759-524-11	s	IC TC4066BF(EL,N)
IC1405	8-759-524-11	s	IC TC4066BF(EL,N)
IC1501	8-759-141-05	s	IC UPC4574G2
IC1502	8-759-745-64	s	IC NJM4560M
IC1503	8-759-700-94	s	IC NJM5532M
IC1504	8-759-524-11	s	IC TC4066BF(EL,N)
IC1505	8-759-524-11	s	IC TC4066BF(EL,N)
IC1601	8-759-141-05	s	IC UPC4574G2
IC1602	8-759-745-64	s	IC NJM4560M
IC1603	8-759-700-94	s	IC NJM5532M
IC1604	8-759-524-11	s	IC TC4066BF(EL,N)
IC1605	8-759-524-11	s	IC TC4066BF(EL,N)
IC1703	8-759-364-70	s	IC S-80751SN-JF-T1
IC1704	8-759-209-57	s	IC TC4S69F
IC1705	8-759-209-57	s	IC TC4S69F
IC1803	8-759-346-20	s	IC NJM78L06UA (TE1)
IC2001	8-759-161-52	s	IC S-81250PG-PD-S
J1701	1-568-548-11	s	JACK,MINI PIN
J1702	1-568-548-11	s	JACK,MINI PIN
J1801	1-568-548-11	s	JACK,MINI PIN
J1802	1-568-548-11	s	JACK,MINI PIN
J1803	1-568-548-11	s	JACK,MINI PIN
J1804	1-568-548-11	s	JACK,MINI PIN
J1805	1-568-548-11	s	JACK,MINI PIN
J1806	1-568-548-11	s	JACK,MINI PIN
J1807	1-568-548-11	s	JACK,MINI PIN
J1808	1-568-548-11	s	JACK,MINI PIN
J1809	1-568-548-11	s	JACK,MINI PIN
J1810	1-568-548-11	s	JACK,MINI PIN
J1811	1-568-548-11	s	JACK,MINI PIN
J1812	1-568-548-11	s	JACK,MINI PIN
L1801	1-414-691-11	s	INDUCTOR, CHIP 100NH
L1802	1-414-691-11	s	INDUCTOR, CHIP 100NH
L1803	1-414-691-11	s	INDUCTOR, CHIP 100NH
L1805	1-414-466-11	s	INDUCTOR, CHIP (K) 18NH
L1806	1-414-465-31	s	INDUCTOR, CHIP (J) 15NH
L1807	1-414-466-11	s	INDUCTOR, CHIP (K) 18NH
L1808	1-414-465-31	s	INDUCTOR, CHIP (J) 15NH
L1814	1-414-691-11	s	INDUCTOR, CHIP 100NH
L1821	1-414-462-31	s	INDUCTOR, CHIP (K) 8.2NH
L1822	9-910-999-30	s	HANDLED BY TOKYO PROD.GP
L1823	1-414-462-31	s	INDUCTOR, CHIP (K) 8.2NH
L1824	9-910-999-30	s	HANDLED BY TOKYO PROD.GP
L1951	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1952	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1953	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1954	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1955	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1956	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1957	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1958	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1959	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1960	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1961	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1962	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1963	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH

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L1964	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1965	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1966	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1967	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1968	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1969	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1970	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1971	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1972	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1973	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L1974	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
Q1001	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1002	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1003	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1004	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1101	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1102	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1103	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1104	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1201	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1202	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1203	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1204	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1301	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1302	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1303	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1304	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1401	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1402	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1403	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1404	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1501	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1502	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1503	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1504	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1601	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1602	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1603	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1604	8-729-015-39	s	TRANSISTOR DTC323TK 300MW
Q1704	8-729-425-64	s	TRANSISTOR 2SD2216Q
Q1705	8-729-425-64	s	TRANSISTOR 2SD2216Q
Q1706	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q1801	8-729-035-13	s	TRANSISTOR 3SK239AXRTL
Q1802	8-729-035-13	s	TRANSISTOR 3SK239AXRTL
Q1803	8-729-822-84	s	TRANSISTOR 2SB1202FAST
Q1804	8-729-822-84	s	TRANSISTOR 2SB1202FAST
Q1805	8-729-822-84	s	TRANSISTOR 2SB1202FAST
Q1806	8-729-822-84	s	TRANSISTOR 2SB1202FAST
R1001	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R1002	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1003	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1004	1-216-824-11	s	RESISTOR, CHIP 1.8K 1/16W 1608
R1005	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1006	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1007	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1008	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1009	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1010	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R1011	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1012	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1013	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1014	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1015	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1017	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1021	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1022	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1023	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16(1608)
R1029	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1031	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1033	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1035	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1036	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1037	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1038	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1039	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1101	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R1102	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1103	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1104	1-216-824-11	s	RESISTOR, CHIP 1.8K 1/16W 1608
R1105	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1106	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1107	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1108	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1109	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1110	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1111	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1112	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1113	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1114	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1115	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1117	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1121	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1122	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1123	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16(1608)
R1129	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1131	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1133	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1135	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1136	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1137	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1138	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1139	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1201	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R1202	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1203	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1204	1-216-824-11	s	RESISTOR, CHIP 1.8K 1/16W 1608
R1205	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1206	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1207	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1208	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1209	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1210	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1211	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1212	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1213	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1214	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1215	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608

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Ref. No. or Q'ty	Part No.	SP	Description
R1217	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1221	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1222	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1223	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16(1608)
R1229	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1231	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1233	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1235	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1236	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1237	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1238	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1239	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1301	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R1302	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1303	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1304	1-216-824-11	s	RESISTOR, CHIP 1.8K 1/16W 1608
R1305	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1306	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1307	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1308	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1309	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1310	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1311	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1312	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1313	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1314	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1315	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1317	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1321	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1322	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1323	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16(1608)
R1329	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1331	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1333	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1335	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1336	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1337	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1338	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1339	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1401	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R1402	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1403	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1404	1-216-824-11	s	RESISTOR, CHIP 1.8K 1/16W 1608
R1405	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1406	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1407	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1408	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1409	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1410	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1411	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1412	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1413	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1414	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1415	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1417	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1421	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1422	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1423	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16(1608)
R1429	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)

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Ref. No. or Q'ty	Part No.	SP	Description
R1431	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1433	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1435	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1436	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1437	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1438	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1439	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1501	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R1502	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1503	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1504	1-216-824-11	s	RESISTOR, CHIP 1.8K 1/16W 1608
R1505	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1506	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1507	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1508	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1509	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1510	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1511	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1512	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1513	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1514	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1515	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1517	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1521	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1522	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1523	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16(1608)
R1529	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1531	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1533	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1535	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1536	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1537	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1538	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1539	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1601	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R1602	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R1603	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R1604	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R1605	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R1606	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R1607	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R1608	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1609	1-216-824-11	s	RESISTOR, CHIP 1.8K 1/16W 1608
R1610	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R1611	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1612	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R1613	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1614	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1615	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1616	1-208-808-11	s	RESISTOR,CHIP 12K 1/10W (2012)
R1617	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1618	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1620	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1621	1-218-709-11	s	RESISTOR,METAL 5.1K 1/16W
R1622	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1623	1-208-799-11	s	RESISTOR,CHIP 5.1K 1/10W(2125)
R1627	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R1629	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1631	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)

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Ref. No. or Q'ty	Part No.	SP	Description
R1633	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1635	1-218-285-11	s	RESISTOR,CHIP 75 1/16W (1608)
R1636	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1637	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1638	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R1639	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1701	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R1702	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R1703	1-216-855-11	s	RESISTOR, CHIP 680K 1/16W 1608
R1704	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R1705	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R1706	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R1801	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R1802	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R1803	1-216-836-11	s	RESISTOR, CHIP 18K 1/16W 1608
R1804	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R1805	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R1806	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R1821	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R1822	1-216-198-91	s	RESISTOR, CHIP
R1823	1-216-310-00	s	RESISTOR,CHIP 6.2 1/10W(2125)
R1824	1-216-310-00	s	RESISTOR,CHIP 6.2 1/10W(2125)
R1825	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R1826	1-216-198-91	s	RESISTOR, CHIP
R1827	1-216-310-00	s	RESISTOR,CHIP 6.2 1/10W(2125)
R1828	1-216-310-00	s	RESISTOR,CHIP 6.2 1/10W(2125)
R1829	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1830	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1831	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1832	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1833	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1834	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1835	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1836	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1837	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1838	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1839	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1840	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1841	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1842	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1843	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1844	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R1845	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1846	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1847	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1848	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1849	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1850	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1851	1-216-836-11	s	RESISTOR, CHIP 18K 1/16W 1608
R1852	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R1861	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R1863	1-216-822-11	s	RESISTOR, CHIP 1.2K 1/16W 1608
R1864	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R1865	1-216-812-11	s	RESISTOR,CHIP 180 1/16 1608
R1866	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R1867	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R1868	1-216-822-11	s	RESISTOR, CHIP 1.2K 1/16W 1608
R1871	1-216-812-11	s	RESISTOR,CHIP 180 1/16 1608
R1872	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608

(MOTHER (MB-871) BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1873	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R1879	1-216-849-11	s	RESISTOR,CHIP 220K 1/16 1608
R1880	1-216-849-11	s	RESISTOR,CHIP 220K 1/16 1608
R1881	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1882	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1883	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1884	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1885	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1886	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1887	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1888	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1889	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1890	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1891	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1892	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1893	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1894	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1895	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1896	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1897	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1898	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R1902	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R1905	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R2001	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R2002	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R2003	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R2004	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R2005	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R2007	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
S1801	1-771-186-11	s	SWITCH, SLIDE
S1802	1-771-186-11	s	SWITCH, SLIDE
S1803	1-771-186-11	s	SWITCH, SLIDE

5-3-2. WRU-806A

FRAME

Ref. No. or Q'ty	Part No.	SP	Description
1pc	⚠ 1-251-627-11	s	INLET (WITH NOISE FILTER)
1pc	⚠ 1-468-230-12	s	REGULATOR, SWITCHING
2pcs	1-562-576-11	s	ADAPTOR,CONVERSION (BNC-PIN)
1pc	⚠ 1-771-181-11	s	SWITCH, POWER
7pcs	1-778-308-11	o	CONNECTOR (PLUG)
1pc	⚠ 1-955-536-11	o	HARNESS, SUB (ETH) -(to inlet with noise filter)
1pc	⚠ 1-958-375-11	o	HARNESS, SUB (LIVE) -(to inlet with noise filter) -(to power switch)
1pc	⚠ 1-958-376-11	o	HARNESS, SUB (NEUTRAL) -(to inlet with noise filter) -(to power switch)
1pc	⚠ 1-958-377-11	o	HARNESS, SUB (SW-RE) -(to power switch) -(to switching regulator)

LCD (DP-305) BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8323-063-A	o	LCD ASSY (DP-305)
C801	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C802	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C803	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C804	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C805	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C806	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C807	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C808	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
CN801	1-793-123-11	s	CONNECTOR, FFC/FPC (ZIF) 35P
D806	8-719-064-07	s	DIODE SML-310LTT86
D807	8-719-053-08	s	LED SML-310DTT86
D808	8-719-063-83	s	LED SML-510MWT86
Q801	8-729-429-18	s	TRANSISTOR UN9213
Q802	8-729-429-18	s	TRANSISTOR UN9213
Q803	8-729-429-18	s	TRANSISTOR UN9213
R801	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R802	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R803	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R804	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R805	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R806	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R807	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R808	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R809	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R810	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R811	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R812	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R813	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
R814	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R815	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R816	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
S801	1-771-105-11	s	SWITCH, TACTILE
S802	1-771-105-11	s	SWITCH, TACTILE
S803	1-771-105-11	s	SWITCH, TACTILE
S804	1-771-105-11	s	SWITCH, TACTILE

TUNER (RF-92) BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8323-071-A	o	TUNER MOUNTED PC BOARD (B) (FOR CE62 MODEL)
1pc	A-8323-074-A	o	TUNER MOUNTED PC BOARD (B) (FOR CE69 MODEL)
1pc	A-8323-093-A	o	TUNER MOUNTED PC BOARD (B) (FOR AU66 MODEL)
C101	1-162-912-11	s	CAPACITOR,CERAMIC 7PF/50V 1608
C102	1-162-910-11	s	CAPACITOR,CERAMIC 5PF/50V 1608
C106	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C107	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C108	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C109	1-162-910-11	s	CAPACITOR,CERAMIC 5PF/50V 1608
C110	1-162-912-11	s	CAPACITOR,CERAMIC 7PF/50V 1608
C111	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B (FOR AU66,CE62 MODEL)
	1-162-946-11	s	CAPACITOR,CERAMIC 27PF/50V SL (FOR CE69 MODEL)
C112	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C113	1-162-912-11	s	CAPACITOR,CERAMIC 7PF/50V 1608
C114	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C115	1-162-911-11	s	CAPACITOR,CERAMIC 6PF/50V 1608
C116	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C117	1-162-912-11	s	CAPACITOR,CERAMIC 7PF/50V 1608
C118	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C120	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C123	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C124	1-162-926-11	s	CAPACITOR,CERAMIC 82PF/50V CH
C125	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C126	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C128	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C129	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C131	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C151	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C161	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C162	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C163	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C164	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C182	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C183	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C184	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C185	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C186	1-162-920-11	s	CAPACITOR,CERAMIC 27PF/50V CH
C187	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C200	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C201	1-135-177-21	s	CAPACITOR TANTALUM 1MF/25V
C202	1-117-919-11	s	CAPACITOR, CHIP TANTALUM10MF
C203	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C204	1-135-177-21	s	CAPACITOR TANTALUM 1MF/25V
C205	1-117-919-11	s	CAPACITOR, CHIP TANTALUM10MF
C207	1-117-919-11	s	CAPACITOR, CHIP TANTALUM10MF
C208	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C209	1-117-919-11	s	CAPACITOR, CHIP TANTALUM10MF
C210	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C212	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C213	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C214	1-162-979-11	s	CAPACITOR,CERAMIC 2700PF/50V
C215	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C216	1-117-919-11	s	CAPACITOR, CHIP TANTALUM10MF
C217	1-117-919-11	s	CAPACITOR, CHIP TANTALUM10MF

(TUNER (RF-92) BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C218	1-104-553-11	s	CAPACITOR FILM 0.015MF/16V
C220	1-104-539-11	s	CAPACITOR, CHIP FILM 0.001MF
C221	1-104-544-11	s	CAPACITOR, CHIP FILM 0.0027MF
C222	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C224	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C225	1-104-559-11	s	CAPACITOR FILM 0.047MF/16V
C226	1-117-919-11	s	CAPACITOR, CHIP TANTALUM10MF
C228	1-135-177-21	s	CAPACITOR TANTALUM 1MF/25V
C229	1-113-601-11	s	CAPACITOR,CHIP TANTALUM 1MF
C230	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C231	1-113-996-11	s	CAPACITOR TANTALUM 220MF/4V
C233	1-113-601-11	s	CAPACITOR,CHIP TANTALUM 1MF
C234	1-104-559-11	s	CAPACITOR FILM 0.047MF/16V
C235	1-113-600-11	s	CAPACITOR,CHIP TANTALUM 2.2MF
C236	1-164-230-11	s	CAPACITOR,CERAMIC 220PF/50V
C237	1-135-177-21	s	CAPACITOR TANTALUM 1MF/25V
C239	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C240	1-117-919-11	s	CAPACITOR, CHIP TANTALUM10MF
C241	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C242	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C243	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C244	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C245	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C246	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C247	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C248	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C249	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C250	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C251	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C252	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C253	1-117-919-11	s	CAPACITOR, CHIP TANTALUM10MF
C254	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C255	1-117-919-11	s	CAPACITOR, CHIP TANTALUM10MF
C256	1-162-913-11	s	CAPACITOR,CHIP CERAMIC 8PF/50V
C257	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C258	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C259	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C260	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C261	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C265	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C266	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C267	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C268	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C270	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C291	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C292	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C302	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C303	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C304	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C305	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C306	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C307	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C308	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C309	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C310	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C312	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C313	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C314	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C315	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B

(TUNER (RF-92) BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C316	1-162-918-11	s	CAPACITOR,CERAMIC 18PF/50V CH
C318	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C319	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C320	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C321	1-162-918-11	s	CAPACITOR,CERAMIC 18PF/50V CH
C401	1-162-912-11	s	CAPACITOR,CERAMIC 7PF/50V 1608
C402	1-162-910-11	s	CAPACITOR,CERAMIC 5PF/50V 1608
C406	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C407	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C408	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C409	1-162-910-11	s	CAPACITOR,CERAMIC 5PF/50V 1608
C410	1-162-912-11	s	CAPACITOR,CERAMIC 7PF/50V 1608
C411	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B (FOR AU66,CE62 MODEL)
	1-162-946-11	s	CAPACITOR,CERAMIC 27PF/50V SL (FOR CE69 MODEL)
C412	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C413	1-162-912-11	s	CAPACITOR,CERAMIC 7PF/50V 1608
C414	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C415	1-162-911-11	s	CAPACITOR,CERAMIC 6PF/50V 1608
C416	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C417	1-162-912-11	s	CAPACITOR,CERAMIC 7PF/50V 1608
C418	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C420	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C423	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C424	1-162-926-11	s	CAPACITOR,CERAMIC 82PF/50V CH
C425	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C426	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C428	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C429	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C431	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C451	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C461	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C462	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C463	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C464	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C482	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C483	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C484	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C485	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C486	1-162-920-11	s	CAPACITOR,CERAMIC 27PF/50V CH
C487	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C500	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C501	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C502	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C503	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C601	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C653	1-126-396-11	s	CAPACITOR ELECT 47MF/16V(CHIP)
C654	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C655	1-113-990-11	s	CAPACITOR TANTALUM 15MF/16V
C657	1-126-396-11	s	CAPACITOR ELECT 47MF/16V(CHIP)
C658	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C659	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C660	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF (FOR AU66,CE62 MODEL)
C661	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C662	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C663	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C664	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF

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Ref. No. or Q'ty	Part No.	SP	Description
C665	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C667	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C668	1-135-181-21	s	CAPACITOR TANTALUM 4.7MF/6.3V
C669	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C670	1-113-990-11	s	CAPACITOR TANTALUM 15MF/16V
C671	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C672	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C673	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C674	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C675	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C676	1-115-581-11	s	CAPACITOR CHIP ELECT 100MF/16V
C681	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C683	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C684	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C685	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C686	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C687	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C688	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C689	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C701	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C702	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C703	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C704	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C705	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C706	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C709	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C710	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C722	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C740	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C741	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C742	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C753	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C755	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C756	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C757	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C780	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C781	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
CF101	1-760-287-11	s	FILTER, CERAMIC
CF102	1-760-287-11	s	FILTER, CERAMIC
CF103	1-760-287-11	s	FILTER, CERAMIC
CF401	1-760-287-11	s	FILTER, CERAMIC
CF402	1-760-287-11	s	FILTER, CERAMIC
CF403	1-760-287-11	s	FILTER, CERAMIC
CN101	1-569-671-11	s	CONNECTOR, 10P
CN701	1-573-806-21	s	PIN,CONNECTOR (6P)(SMD)(1.5MM)
CN702	1-793-122-11	s	CONNECTOR, FFC/FPC (ZIF) 35P
CP302	1-760-815-11	s	OSCILLATOR, CRYSTAL
CP601	1-781-474-11	s	OSCILLATOR (VOLTAGE VAR TYPE) (FOR AU66,CE62 MODEL)
	1-781-475-11	s	OSCILLATOR (VOLTAGE VAR TYPE) (FOR CE69 MODEL)
CT701	1-141-437-11	s	CAPACITOR,TRIMMER (CHIP TYPE)
D201	8-719-988-61	s	DIODE 1SS355TE-17
D202	8-719-988-61	s	DIODE 1SS355TE-17
D203	8-719-988-61	s	DIODE 1SS355TE-17
D204	8-719-988-61	s	DIODE 1SS355TE-17
D205	8-719-064-08	s	DIODE HZU6.8B2TRF

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Ref. No. or Q'ty	Part No.	SP	Description
D206	8-719-988-61	s	DIODE 1SS355TE-17
D207	8-719-988-61	s	DIODE 1SS355TE-17
D210	8-719-024-71	s	DIODE 1SS362-TE85L
D211	8-719-024-71	s	DIODE 1SS362-TE85L
D301	8-719-988-61	s	DIODE 1SS355TE-17
D602	8-719-047-98	s	DIODE HZU5.6B2TRF
D704	8-719-988-61	s	DIODE 1SS355TE-17
FL101	1-233-951-11	s	FILTER, BAND PASS (FOR AU66 MODEL)
	1-233-952-11	s	FILTER, BAND PASS (FOR CE69 MODEL)
	1-234-093-11	s	FILTER, BAND PASS (FOR CE62 MODEL)
FL102	1-233-951-11	s	FILTER, BAND PASS (FOR AU66 MODEL)
	1-233-952-11	s	FILTER, BAND PASS (FOR CE69 MODEL)
	1-234-093-11	s	FILTER, BAND PASS (FOR CE62 MODEL)
FL401	1-233-951-11	s	FILTER, BAND PASS (FOR AU66 MODEL)
	1-233-952-11	s	FILTER, BAND PASS (FOR CE69 MODEL)
	1-234-093-11	s	FILTER, BAND PASS (FOR CE62 MODEL)
FL402	1-233-951-11	s	FILTER, BAND PASS (FOR AU66 MODEL)
	1-233-952-11	s	FILTER, BAND PASS (FOR CE69 MODEL)
	1-234-093-11	s	FILTER, BAND PASS (FOR CE62 MODEL)
IC101	8-759-230-39	s	IC TA8122AF
IC102	8-759-355-20	s	IC TA31161FN(EL)
IC201	8-759-278-58	s	IC NJM4558V (TE2)
IC202	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC203	8-759-278-58	s	IC NJM4558V (TE2)
IC204	8-759-278-58	s	IC NJM4558V (TE2)
IC205	8-759-278-58	s	IC NJM4558V (TE2)
IC206	8-759-278-58	s	IC NJM4558V (TE2)
IC207	8-759-539-60	s	IC SA575DK-T
IC208	8-759-337-40	s	IC NJM2904V(TE2)
IC209	8-759-337-40	s	IC NJM2904V(TE2)
IC210	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC401	8-759-230-39	s	IC TA8122AF
IC402	8-759-355-20	s	IC TA31161FN(EL)
IC652	8-759-161-52	s	IC S-81250PG-PD-S (FOR BOARD NO.SUFFIX -11)
	8-759-234-08	s	IC TA78L05F (FOR BOARD NO.SUFFIX -12)
IC653	8-759-161-52	s	IC S-81250PG-PD-S (FOR BOARD NO.SUFFIX -11)
	8-759-234-08	s	IC TA78L05F (FOR BOARD NO.SUFFIX -12)
IC701	8-752-906-29	o	IC CXP83416-051Q
IC706	8-759-091-75	s	IC PST575EMT-T1
L101	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH (FOR CE69 MODEL)
	1-414-462-31	s	INDUCTOR, CHIP (K) 8.2NH (FOR AU66,CE62 MODEL)
L102	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH (FOR CE69 MODEL)
	1-414-462-31	s	INDUCTOR, CHIP (K) 8.2NH (FOR AU66,CE62 MODEL)

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Ref. No. or Q'ty	Part No.	SP	Description
L103	1-414-462-31	s	INDUCTOR, CHIP (K) 8.2NH (FOR CE69 MODEL)
	1-414-463-41	s	INDUCTOR, CHIP (J) 10NH (FOR AU66,CE62 MODEL)
L104	1-414-460-11	s	INDUCTOR, CHIP (S) 5.6NH (FOR CE69 MODEL)
	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH (FOR AU66,CE62 MODEL)
L105	1-412-939-11	s	INDUCTOR 1.0UH (2520)
L106	1-412-932-21	s	INDUCTOR 0.27UH (2520)
L107	1-412-991-31	s	INDUCTOR (SMALL TYPE) 10.00UH
L109	1-412-955-11	s	INDUCTOR 22UH (2520)
L110	1-414-691-11	s	INDUCTOR, CHIP 100NH
L112	1-414-691-11	s	INDUCTOR, CHIP 100NH
L113	1-412-991-31	s	INDUCTOR (SMALL TYPE) 10.00UH
L114	1-412-955-11	s	INDUCTOR 22UH (2520)
L302	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L303	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L304	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L305	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH
L306	1-414-460-11	s	INDUCTOR, CHIP (S) 5.6NH
L307	1-414-462-31	s	INDUCTOR, CHIP (K) 8.2NH
L308	1-414-460-11	s	INDUCTOR, CHIP (S) 5.6NH
L309	1-414-462-31	s	INDUCTOR, CHIP (K) 8.2NH
L310	1-412-939-11	s	INDUCTOR 1.0UH (2520)
L311	1-412-968-11	s	INDUCTOR (SMALL TYPE)
L312	1-412-969-31	s	INDUCTOR (SMALL TYPE)
L313	1-412-968-11	s	INDUCTOR (SMALL TYPE)
L314	1-412-969-31	s	INDUCTOR (SMALL TYPE)
L401	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH (FOR CE69 MODEL)
	1-414-462-31	s	INDUCTOR, CHIP (K) 8.2NH (FOR AU66,CE62 MODEL)
L402	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH (FOR CE69 MODEL)
	1-414-462-31	s	INDUCTOR, CHIP (K) 8.2NH (FOR AU66,CE62 MODEL)
L403	1-414-462-31	s	INDUCTOR, CHIP (K) 8.2NH (FOR CE69 MODEL)
	1-414-463-41	s	INDUCTOR, CHIP (J) 10NH (FOR AU66,CE62 MODEL)
L404	1-414-460-11	s	INDUCTOR, CHIP (S) 5.6NH (FOR CE69 MODEL)
	1-414-461-31	s	INDUCTOR, CHIP (K) 6.8NH (FOR AU66,CE62 MODEL)
L405	1-412-939-11	s	INDUCTOR 1.0UH (2520)
L406	1-412-932-21	s	INDUCTOR 0.27UH (2520)
L407	1-412-991-31	s	INDUCTOR (SMALL TYPE) 10.00UH
L409	1-412-955-11	s	INDUCTOR 22UH (2520)
L410	1-414-691-11	s	INDUCTOR, CHIP 100NH
L412	1-414-691-11	s	INDUCTOR, CHIP 100NH
L413	1-412-991-31	s	INDUCTOR (SMALL TYPE) 10.00UH
L414	1-412-955-11	s	INDUCTOR 22UH (2520)
L601	1-412-979-21	s	INDUCTOR (SMALL TYPE)
L651	1-416-357-11	s	COIL,CHOKE
L652	1-412-979-21	s	INDUCTOR (SMALL TYPE)
L653	1-412-979-21	s	INDUCTOR (SMALL TYPE)
L654	1-414-470-31	s	INDUCTOR, CHIP (J) 39NH
L655	1-412-979-21	s	INDUCTOR (SMALL TYPE)
L701	1-412-955-11	s	INDUCTOR 22UH (2520)
Q101	8-729-035-13	s	TRANSISTOR 3SK239AXRTL

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Ref. No. or Q'ty	Part No.	SP	Description
Q102	8-729-047-26	s	TRANSISTOR 3SK255-T2
Q103	8-729-047-26	s	TRANSISTOR 3SK255-T2
Q104	8-729-047-25	s	TRANSISTOR 3SK254-T2
Q105	8-729-047-25	s	TRANSISTOR 3SK254-T2
Q201	8-729-800-37	s	TRANSISTOR 2SD1048X7
Q203	8-729-429-18	s	TRANSISTOR UN9213
Q302	8-729-033-87	s	TRANSISTOR 2SC4726LN-TLPQ
Q303	8-729-033-87	s	TRANSISTOR 2SC4726LN-TLPQ
Q304	8-729-016-34	s	TRANSISTOR 2SC4915-O-TE85L
Q305	8-729-016-34	s	TRANSISTOR 2SC4915-O-TE85L
Q401	8-729-035-13	s	TRANSISTOR 3SK239AXRTL
Q402	8-729-047-26	s	TRANSISTOR 3SK255-T2
Q403	8-729-047-26	s	TRANSISTOR 3SK255-T2
Q404	8-729-047-25	s	TRANSISTOR 3SK254-T2
Q405	8-729-047-25	s	TRANSISTOR 3SK254-T2
Q601	8-729-425-64	s	TRANSISTOR 2SD2216Q
Q752	8-729-425-64	s	TRANSISTOR 2SD2216Q
R101	1-216-843-11	s	RESISTOR,CHIP 68K 1/16W (1608)
R103	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R104	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R105	1-216-812-11	s	RESISTOR,CHIP 180 1/16 1608
R107	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R108	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R110	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R111	1-216-836-11	s	RESISTOR, CHIP 18K 1/16W 1608
R113	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R114	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R115	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R116	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16(1608)
R118	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R119	1-216-840-11	s	RESISTOR,CHIP 39K 1/16W 1608
R121	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R122	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R123	1-216-836-11	s	RESISTOR, CHIP 18K 1/16W 1608
R124	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R125	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R126	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R127	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R128	1-216-814-11	s	RESISTOR,CHIP 270 1/16 1608
R129	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R136	1-216-813-11	s	RESISTOR, CHIP 220 1/16W 1608
R150	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R180	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R201	1-216-843-11	s	RESISTOR,CHIP 68K 1/16W (1608)
R202	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R203	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R204	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R205	1-216-832-11	s	RESISTOR,CHIP 8.2K 1/16W 1608
R206	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R207	1-216-843-11	s	RESISTOR,CHIP 68K 1/16W (1608)
R208	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R209	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R210	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R211	1-216-832-11	s	RESISTOR,CHIP 8.2K 1/16W 1608
R212	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R213	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R214	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R215	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)

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Ref. No. or Q'ty	Part No.	SP	Description
R216	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R217	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R218	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R219	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R220	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R221	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R222	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R223	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R224	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R225	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16(1608)
R226	1-216-843-11	s	RESISTOR,CHIP 68K 1/16W (1608)
R227	1-216-838-11	s	RESISTOR CHIP 27K 1/16W(1608)
R228	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R229	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R230	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R231	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R232	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R233	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R234	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R235	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R236	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R237	1-216-836-11	s	RESISTOR, CHIP 18K 1/16W 1608
R238	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R239	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R240	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R241	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R247	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R248	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R249	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R250	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R251	1-216-843-11	s	RESISTOR,CHIP 68K 1/16W (1608)
R252	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R253	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R254	1-216-854-11	s	RESISTOR, CHIP 560K 1/16W
R255	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R256	1-216-843-11	s	RESISTOR,CHIP 68K 1/16W (1608)
R257	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R258	1-216-854-11	s	RESISTOR, CHIP 560K 1/16W
R259	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R260	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R261	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R262	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R263	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R264	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R265	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R266	1-216-854-11	s	RESISTOR, CHIP 560K 1/16W
R267	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R268	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R269	1-216-854-11	s	RESISTOR, CHIP 560K 1/16W
R270	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R271	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R272	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W 1608
R273	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R274	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R275	1-216-854-11	s	RESISTOR, CHIP 560K 1/16W
R276	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R277	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R278	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R279	1-216-843-11	s	RESISTOR,CHIP 68K 1/16W (1608)

(TUNER (RF-92) BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R280	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R281	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R282	1-216-854-11	s	RESISTOR, CHIP 560K 1/16W
R283	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R284	1-216-843-11	s	RESISTOR,CHIP 68K 1/16W (1608)
R285	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16(1608)
R286	1-216-854-11	s	RESISTOR, CHIP 560K 1/16W
R287	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R289	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16(1608)
R291	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R292	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R293	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R294	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R295	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R296	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R297	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R298	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R299	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R301	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R302	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R303	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R304	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
R305	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R306	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R307	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
R308	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R309	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R310	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R311	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R312	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R313	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R314	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R315	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R401	1-216-843-11	s	RESISTOR,CHIP 68K 1/16W (1608)
R403	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R404	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R405	1-216-812-11	s	RESISTOR,CHIP 180 1/16 1608
R407	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R408	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R410	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R411	1-216-836-11	s	RESISTOR, CHIP 18K 1/16W 1608
R413	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R414	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R415	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R416	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16(1608)
R418	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R419	1-216-840-11	s	RESISTOR,CHIP 39K 1/16W 1608
R421	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R422	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R423	1-216-836-11	s	RESISTOR, CHIP 18K 1/16W 1608
R424	1-216-829-11	s	RESISTOR, CHIP 4.7K 1/16W 1608
R425	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R426	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R427	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R428	1-216-814-11	s	RESISTOR,CHIP 270 1/16 1608
R429	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R436	1-216-813-11	s	RESISTOR, CHIP 220 1/16W 1608
R450	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R480	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608

(TUNER (RF-92) BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R654	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R655	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R657	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R658	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R662	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R674	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R676	1-216-823-11	s	RESISTOR, CHIP 1.5K
R681	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R682	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R683	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R684	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R705	1-218-715-11	s	RESISTOR,METAL 9.1K 1/16W
R706	1-218-715-11	s	RESISTOR,METAL 9.1K 1/16W
R707	1-218-715-11	s	RESISTOR,METAL 9.1K 1/16W
R708	1-216-836-11	s	RESISTOR, CHIP 18K 1/16W 1608
R710	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R711	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R747	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R748	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R749	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R753	1-216-849-11	s	RESISTOR,CHIP 220K 1/16 1608
R754	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R755	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R756	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R757	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R758	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R759	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R760	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R761	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W 1608
R762	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R763	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R764	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R765	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R766	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R767	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R770	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R790	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R791	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R792	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W 1608
R797	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R1753	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608) (FOR CE69 MODEL)
R1758	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608) (FOR AU66,CE62 MODEL)
R1760	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608) (FOR CE62 MODEL)
R1761	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608) (FOR AU66,CE69 MODEL)
RV201	1-238-854-11	s	RESISTOR,ADJ 2.2K (CERMET)
RV202	1-238-854-11	s	RESISTOR,ADJ 2.2K (CERMET)
RV205	1-238-857-11	s	RESISTOR ADJ 22K (CERMET)
S708	1-762-526-11	s	SWITCH
SWF101	1-760-028-11	s	FILTER, SAW
SWF401	1-760-028-11	s	FILTER, SAW
T101	1-406-784-21	s	TRANSFORMER, IF
T102	1-406-782-21	s	TRANSFORMER, IF
T103	1-411-494-11	s	DETECTOR COIL (MPX)
T401	1-406-784-21	s	TRANSFORMER, IF

(TUNER (RF-92) BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
T402	1-406-782-21	s	TRANSFORMER, IF
T403	1-411-494-11	s	DETECTOR COIL (MPX)
X201	1-567-098-41	s	VIBRATOR,CRYSTAL (32.768MHZ)
X202	1-567-098-41	s	VIBRATOR,CRYSTAL (32.768MHZ)
X203	1-767-100-11	s	VIBRATOR, CRYSTAL
X701	1-767-636-11	s	VIBRATOR, CRYSTAL

FRAME

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-790-794-11	s	WIRE, FLAT TYPE (35 CORE)

5-4. Accessories Supplied

MB-806A

Ref. No. or Q'ty	Part No.	SP	Description
2pcs	1-501-952-11	s	ANTENNA
1pc	⚠ 1-782-929-11	s	CORD,POWER (BS 3P)
1pc	3-867-235-21	s	MANUAL, INSTRUCTION

WRU-806A

Ref. No. or Q'ty	Part No.	SP	Description
1pc	2-545-811-01	o	LABEL, 5 COLOR (FOR CE62,CE69 MODEL)
1pc	3-867-236-21	s	MANUAL, INSTRUCTION (FOR CE62,CE69 MODEL)
1pc	3-867-236-31	s	MANUAL, INSTRUCTION (FOR AU66 MODEL)

Section 6
Block Diagrams

MB-806A Tuner Base Unit

MB-806A is composed of power supply block, audio block, and following boards.

Board Name	Q'ty	Reference No.
MB-871	1	1000s to 2000s
CN-1907	1	110s to 160s, 1000s
CN-1908	7	1000s

Power Supply Block

The switching regulator generates DC ±9 V and they are supplied to the MB-871 board. Generated DC ±9 V are used for the audio output amplifiers inside the MB-871 board. Generated +9 V is supplied to the WRU-806A tuner unit, too.

Audio Block

The audio signal (AF) output from each WRU-806A tuner unit are input to the MB-871 board through the CN-1907 board. Signals are then output from the output connectors (XLR type) after passing through the filter amplifiers (IC1001 to IC1501), output amplifiers (IC1001 to IC1501) and audio muting circuits (Q1001 to Q1504). The audio signals from each tuner unit are input to the mixer (IC1601), then output from the MIX output connector (XLR type).

MB-871 board

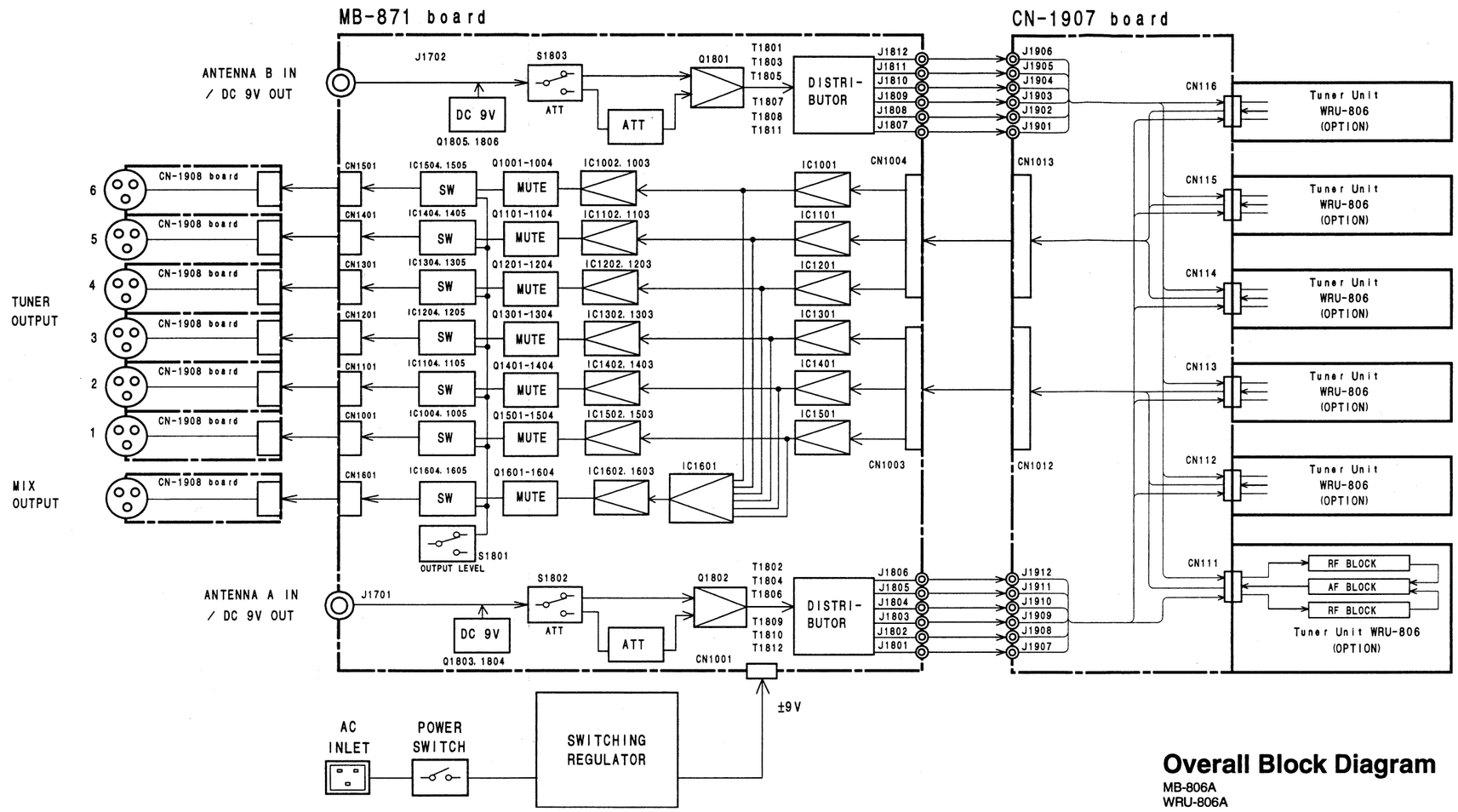
The RF signal input block and audio signal output block are mounted on this board. This board consists of the RF signal distributor/attenuator circuit, audio output circuit and audio signal muting circuit.

CN-1907 board

This board functions as a relay board for power voltages, RF signals and audio signals between the tuner unit and MB-871 board.

CN-1908 board

The audio output connector (XLR type) is mounted on this board.



Overall Block Diagram
MB-806A
WRU-806A

WRU-806A Tuner Unit

WRU-806A is composed of RF-92 board and DP-305 board.

Board name	Q'ty	Reference No.
RF-92	1	100s to 700s
DP-305	1	800s

RF-92 board

This board consists of the RF block, audio block, CPU block and the voltage regulator block. This board receives the RF signal input from the antenna A and B and outputs the demodulated audio signal. The RF circuit is used superheterodyne techniques.

The same RF block is used for both antenna "A" and antenna "B".

The RF block consists of RF amplifier circuit, 1st mixer circuit, 2nd mixer circuit, IF circuit, FM detector circuit, 1st local circuit and 2nd local circuit.

The RF signal which is input from the antenna A and B are passed through band pass filter, amplified by RF amplifier, passed through band pass filter and input to 1st mixer circuit. The RF signal is mixed with the 1st local signal in the 1st mixer circuit where the input signal is converted to the 1st IF signal (150.75 MHz).

The 1st IF signal is mixed with the 2nd local signal at the 2nd mixer circuit where the 1st IF signal is converted to the 2nd IF signal (10.7 MHz).

The 2nd IF signal is detected by the FM detector IC which outputs audio signal. The audio signal is sent to the audio block. The 2nd IF signal is converted to the RSSI signal by the IF amplifier and is output to the CPU. The 1st local signal is generated by the PLL circuit. The 2nd local signal is generated by the crystal oscillator.

The audio block consists of the tone signal detector circuit, noise signal detector circuit, diversity switching circuit, muting circuit, de-emphasis circuit, expander circuit and audio amplifier circuit.

The FM detector outputs (audio outputs AF(A) and (B)) of the RF block are amplified by the AF amplifier (A) and AF amplifier (B) and is sent to the diversity switching circuit. The diversity switching is controlled by the DIV signal from the CPU.

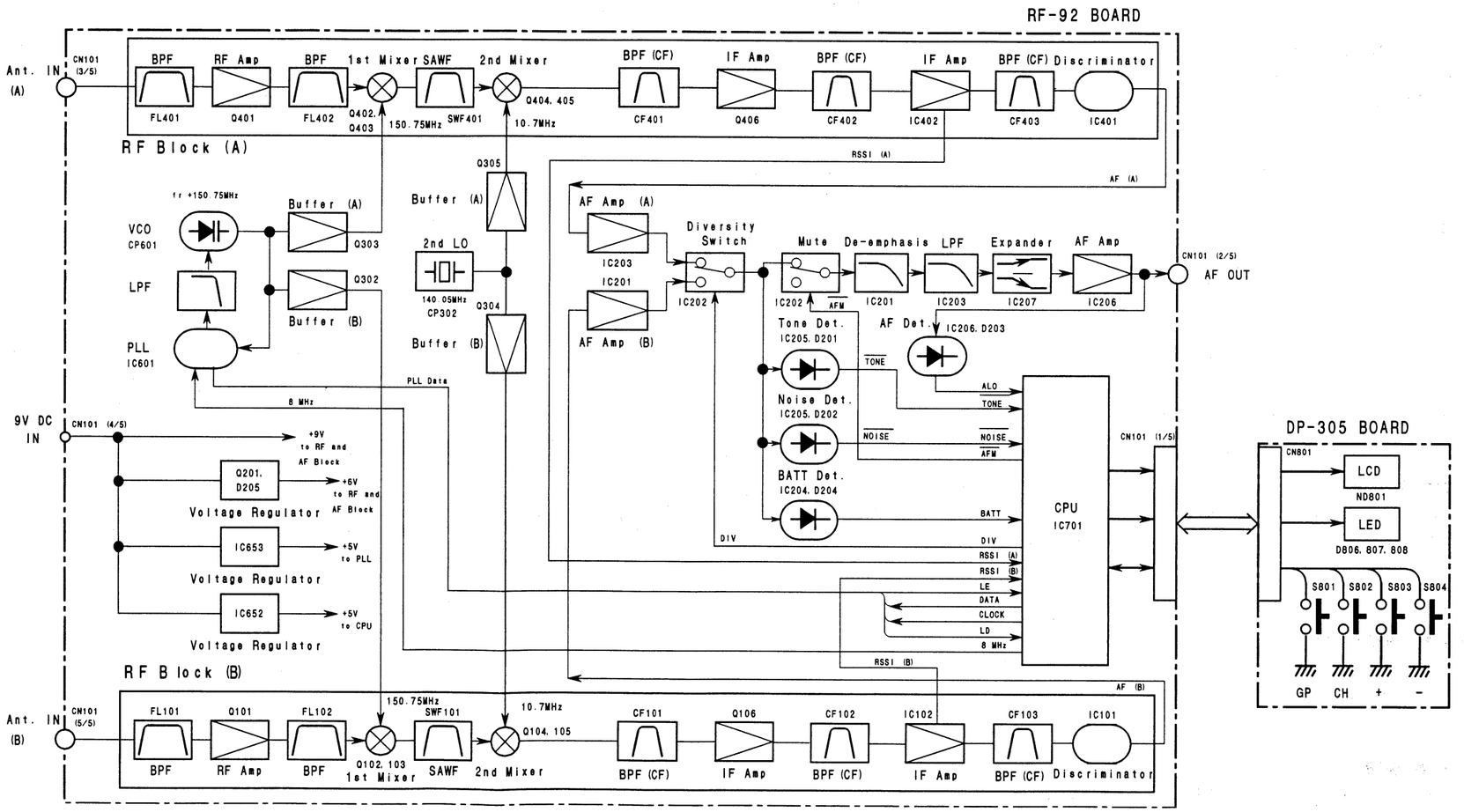
The audio output signal from the diversity switching circuit is passed through the muting circuit, de-emphasis circuit, low pass filter circuit and expander circuit then amplified by the AF amplifier.

DP-305 board

The DP-305 board is composed of display block and operation control block.

The display block has the LCD which indicates the various status of group and channels and the AF indicator LED, RF indicator LED and BATT indicator LED.

The operation control block consists of GP (S801), CH (S802), + (S803), and − (S804) switches which perform the setting such as group setting and channel setting.

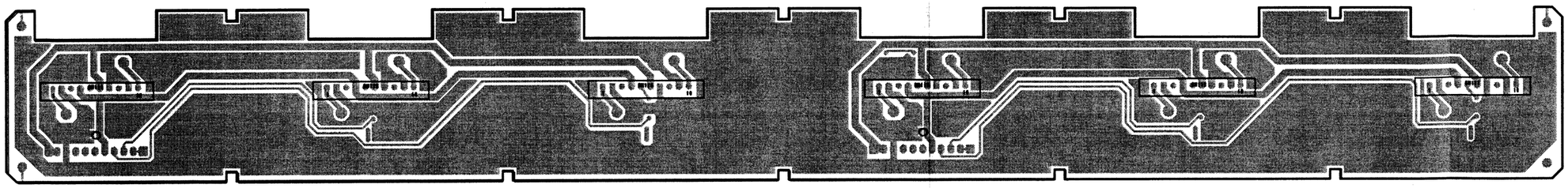


Tuner Unit Block Diagram
WRU-806A

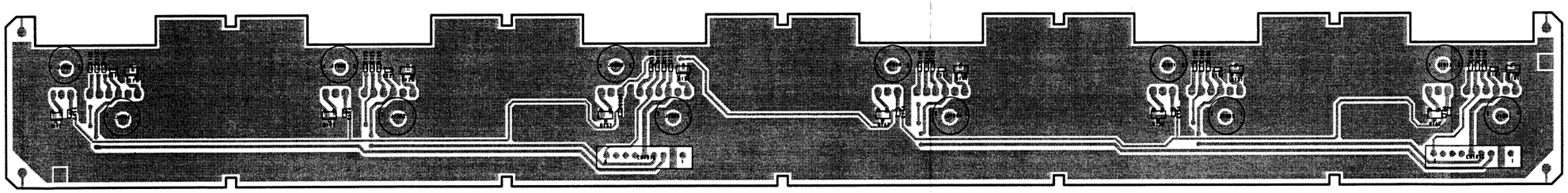
6-2

Section 7
Board Layouts

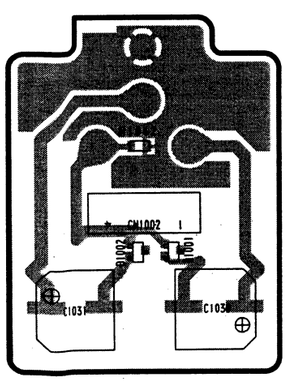
7-1. MB-806A



CN-1907 -A SIDE-
1-674-363-11



CN-1907 -B SIDE-
1-674-363-11



CN-1908 -A SIDE-
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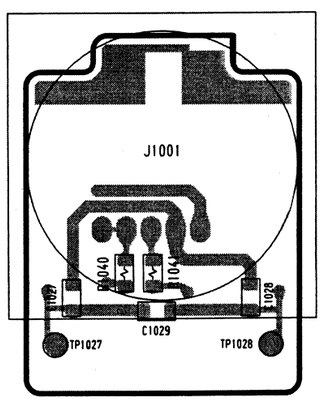
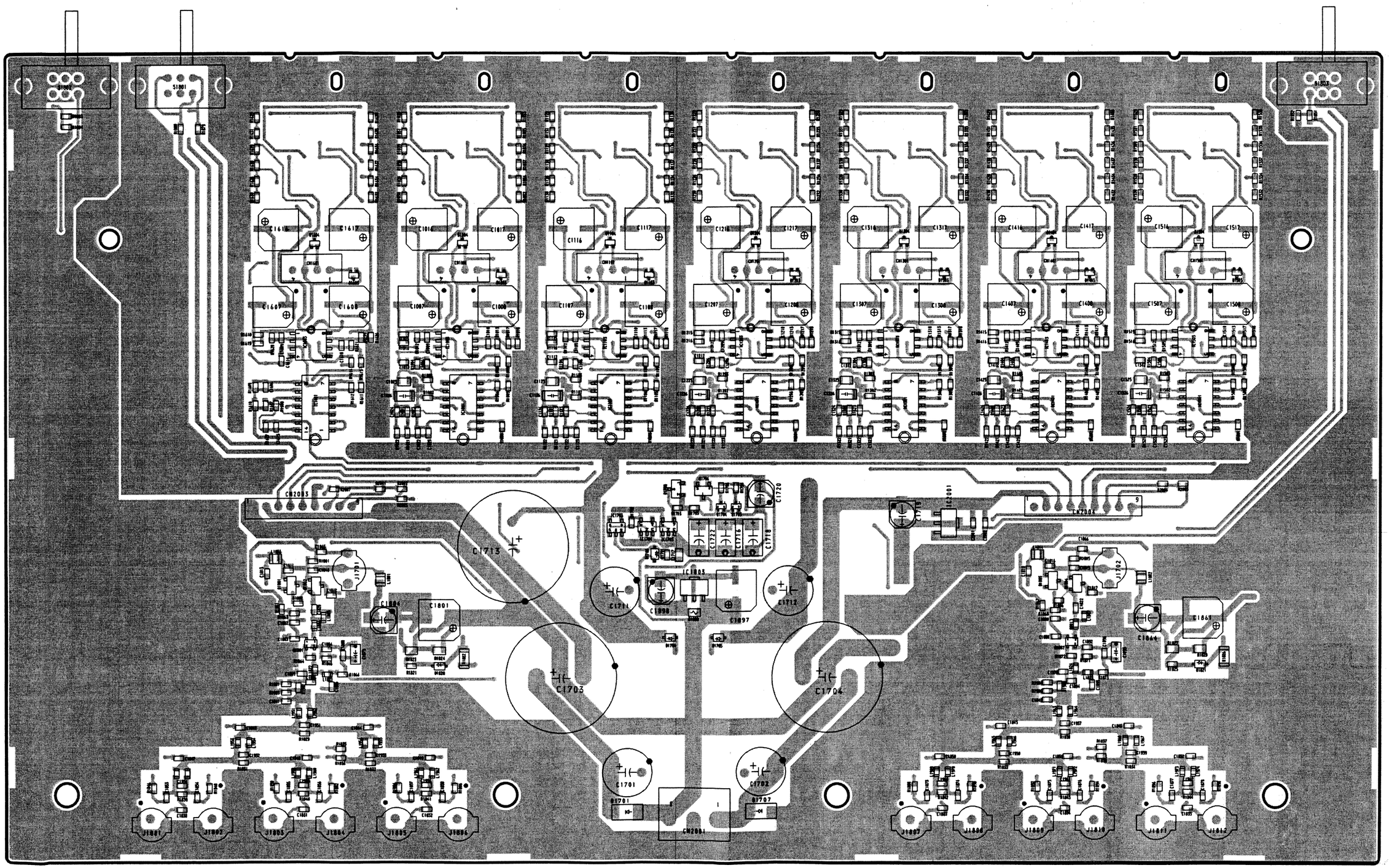
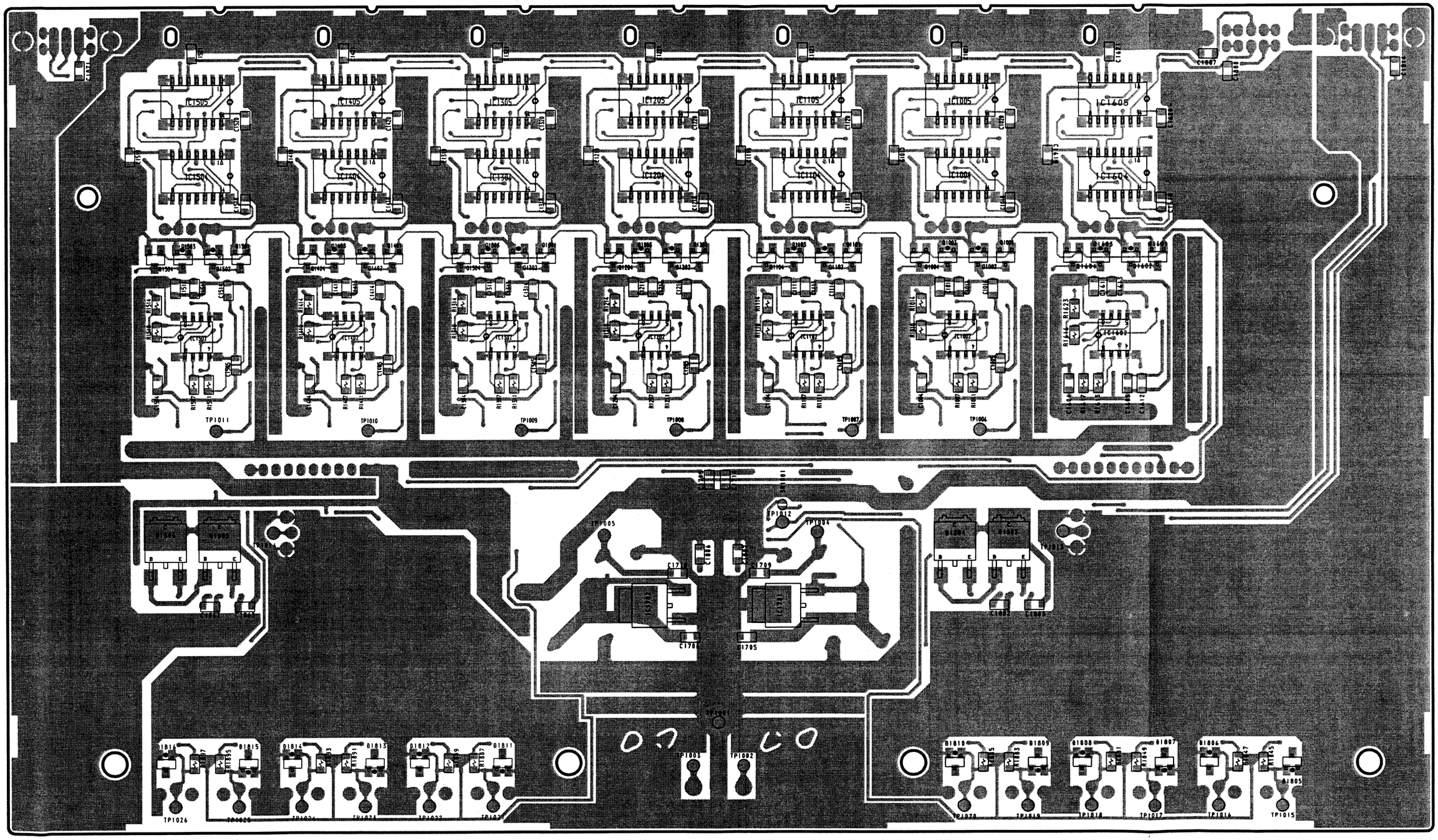


CN-1908 -B SIDE-
1-674-362-11

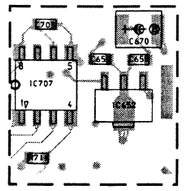


MB-871 -A SIDE-
1-674-361-11

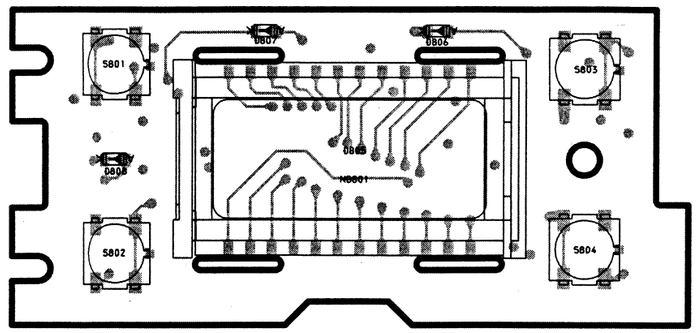


MB-871 -B SIDE-
1-674-361-11

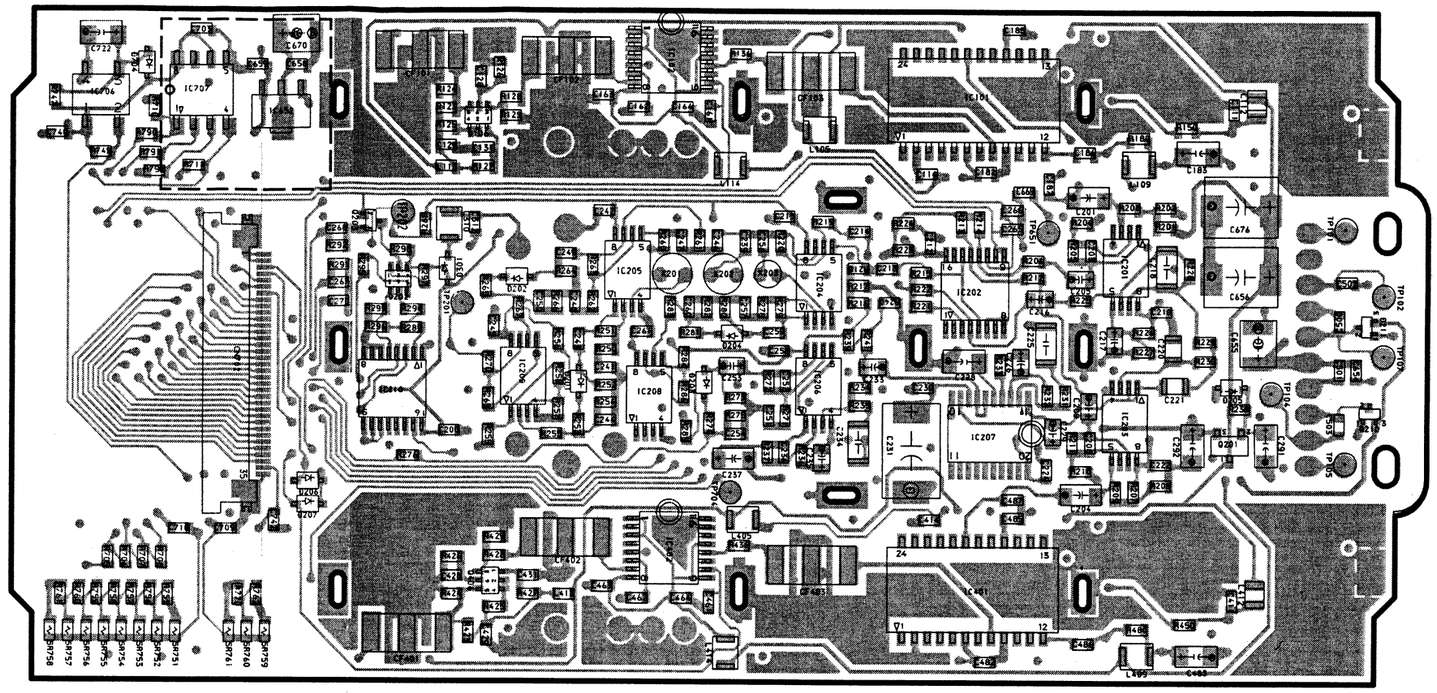
7-2. WRU-806A



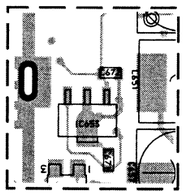
FOR BOARD NO. SUFFIX:-12



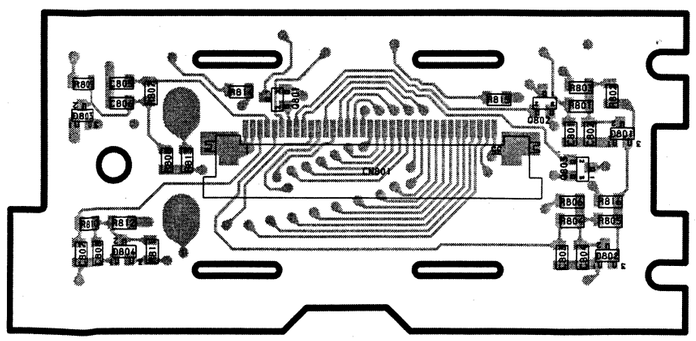
DP-305 -A SIDE-
1-674-365-11



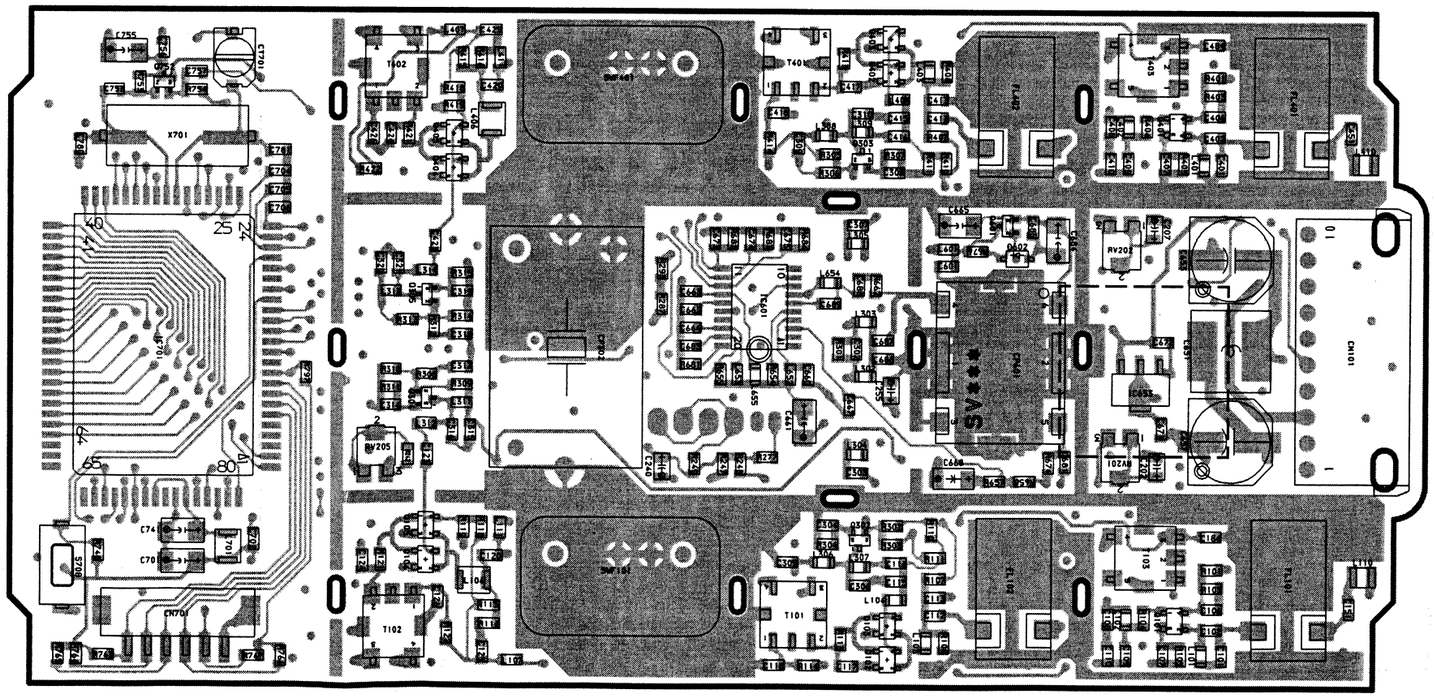
RF-92 -A SIDE-
1-674-364-11



FOR BOARD NO. SUFFIX:-12

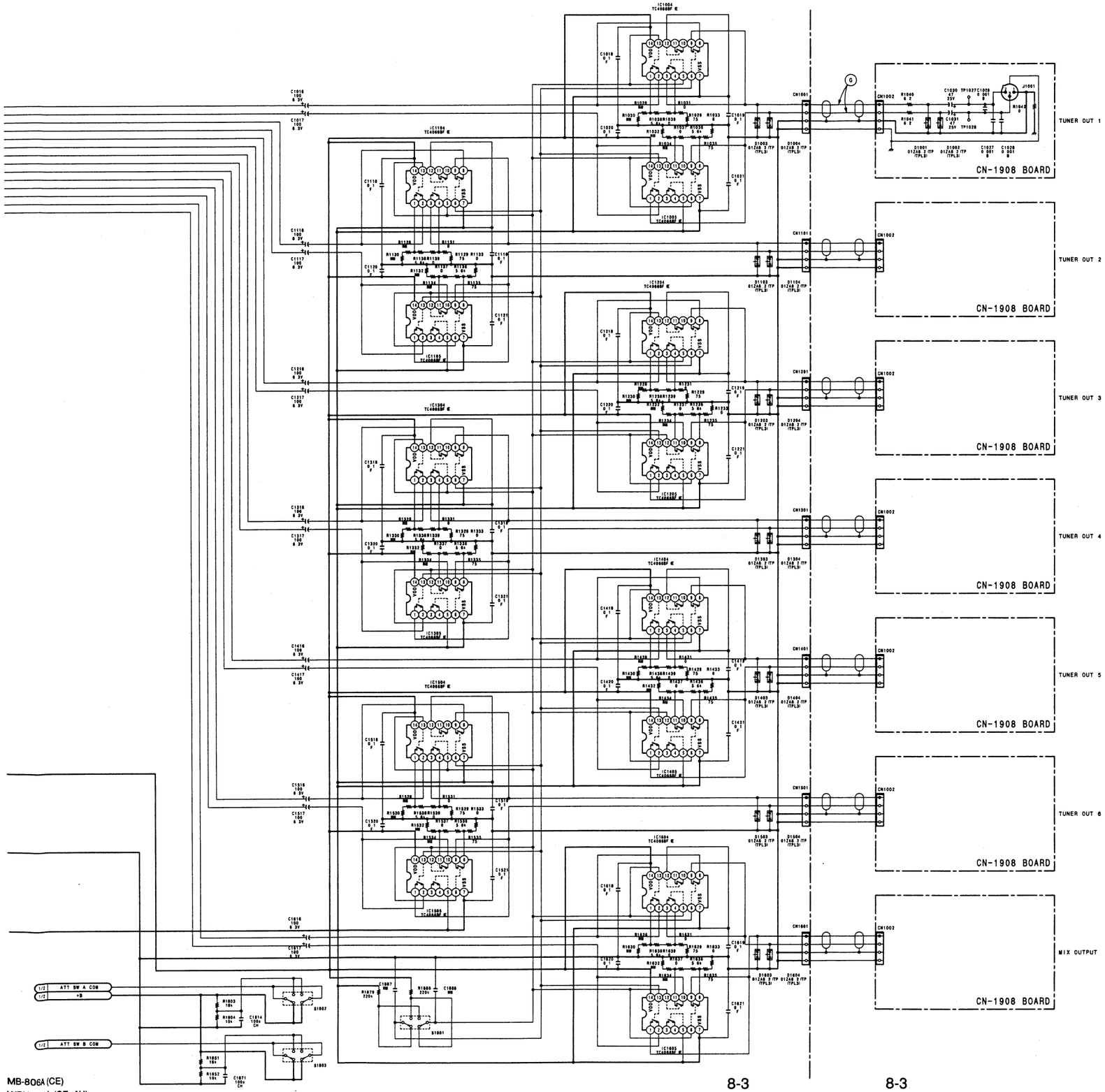


DP-305 -B SIDE-
1-674-365-11

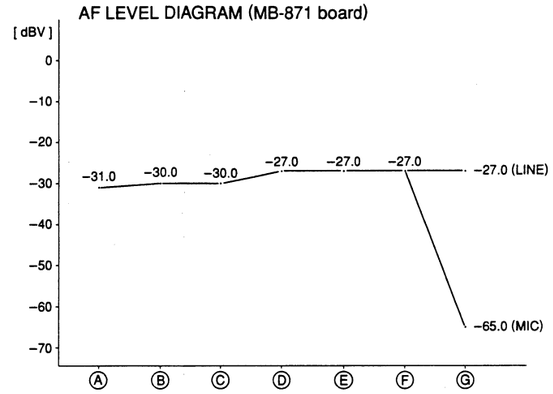


RF-92 -B SIDE-
1-674-364-11

MB-871 (2/2), CN-1908



AF LEVEL DIAGRAM (MB-871 board)



Note :
- The AF level shows the value when the following referencesignal is supplied to the ANTENNA A and B IN connectors from a SSG.
  RF : Level input 60 dBμ
  FM : ±5 kHz deviation at 1 kHz modulation

0 dBμ = 1 μV (at no load)
0 dBμ = −133 dBm (0 dBm = 1 mW, 50 Ω load)
0 dBV = 1 Vrms

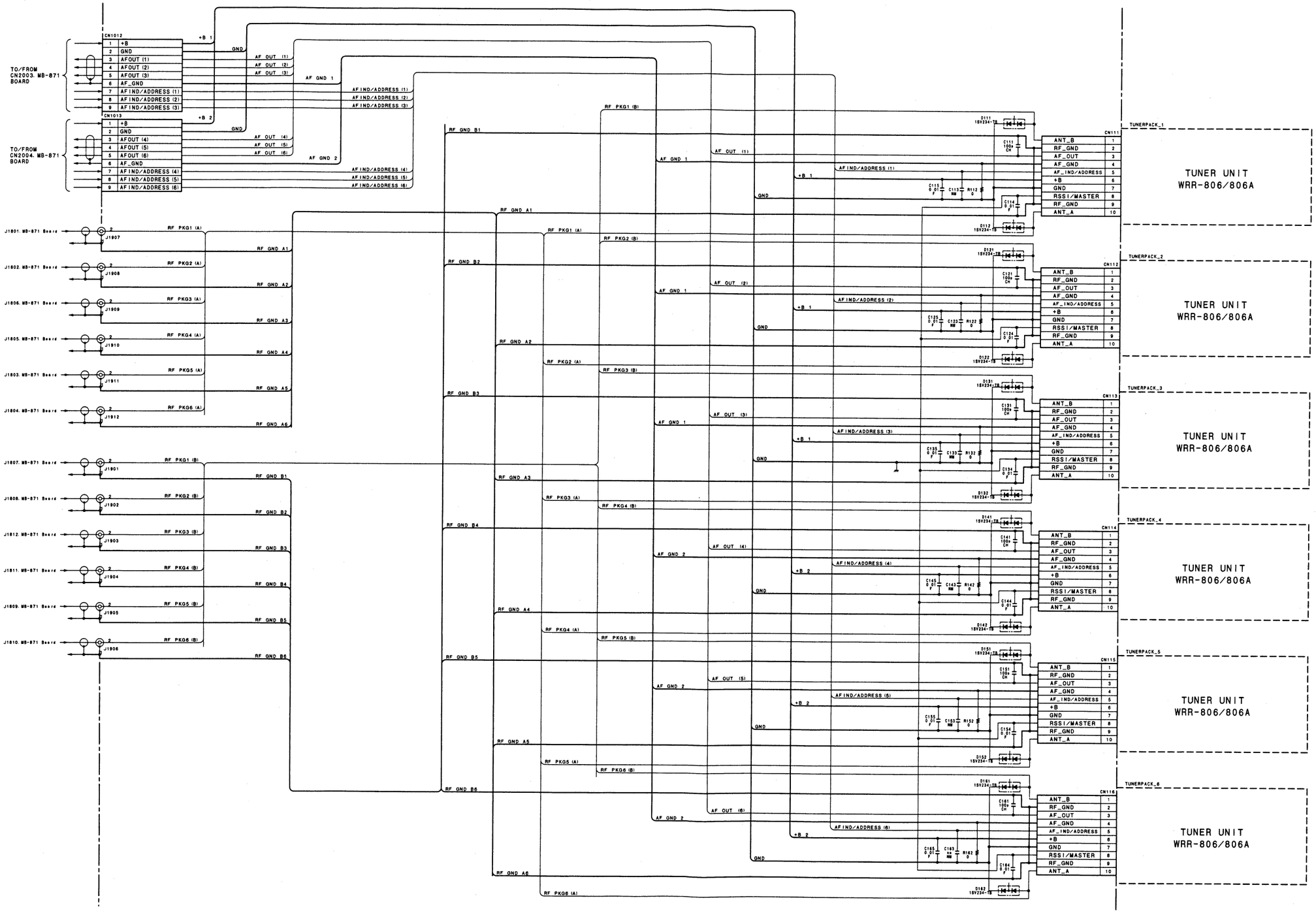
注意
- **AFレベル値はSSGよりANTENNA A または B IN コネクタに下記基準を入力した時の参考値。**
  RF : 60 dBμ入力
  FM : 周波数偏移 ±5 kHz, 変調周波数 1 kHz

0 dBμ = 1 μV (開放端電圧)
0 dBμ = −133 dBm (0 dBm = 1 mW, 50 Ω 負荷)
0 dBV = 1 Vrms

MB-871 (2/2)
BOARD NO. 1-674-361-11

CN-1908
BOARD NO. 1-674-362-11

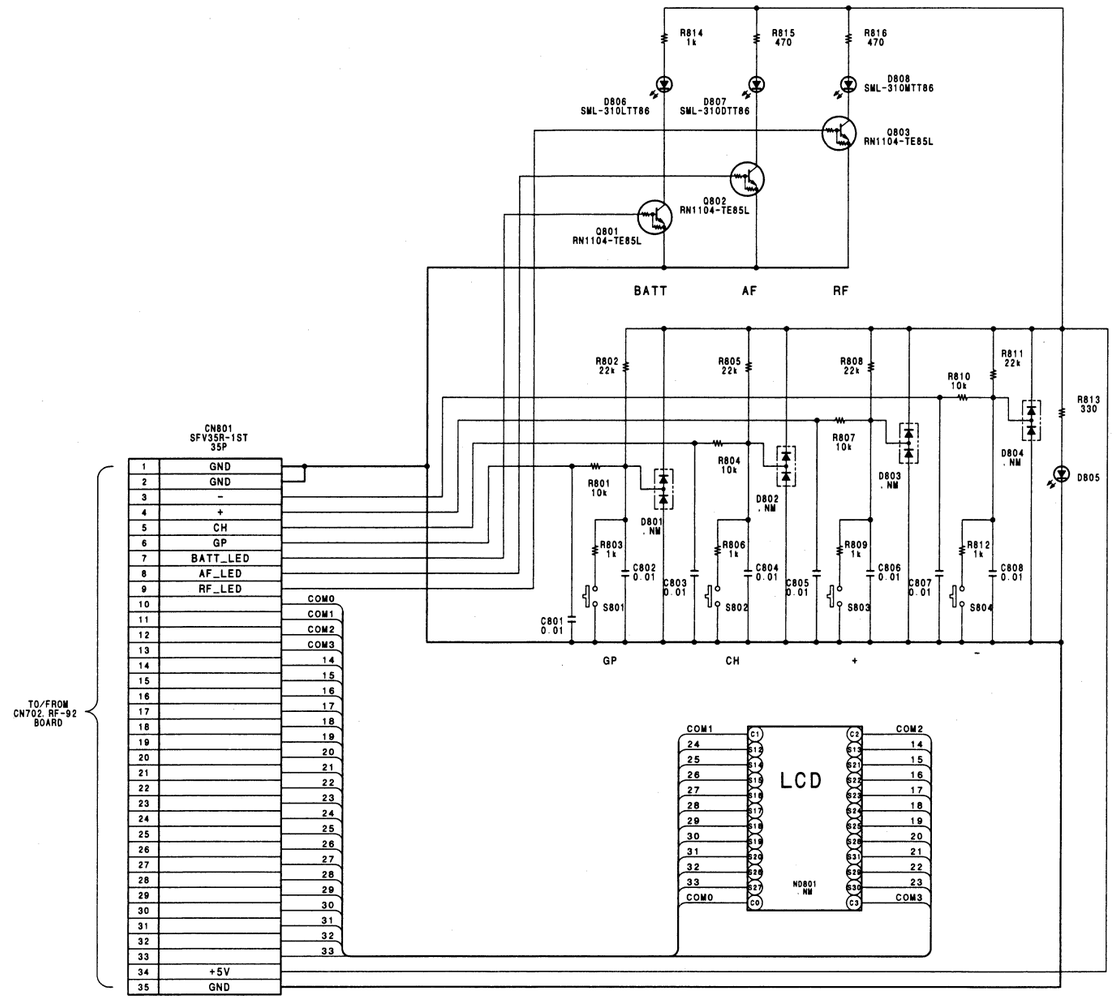
MB-806A (CE)
WRU-806A (CE, AU)



CN-1907

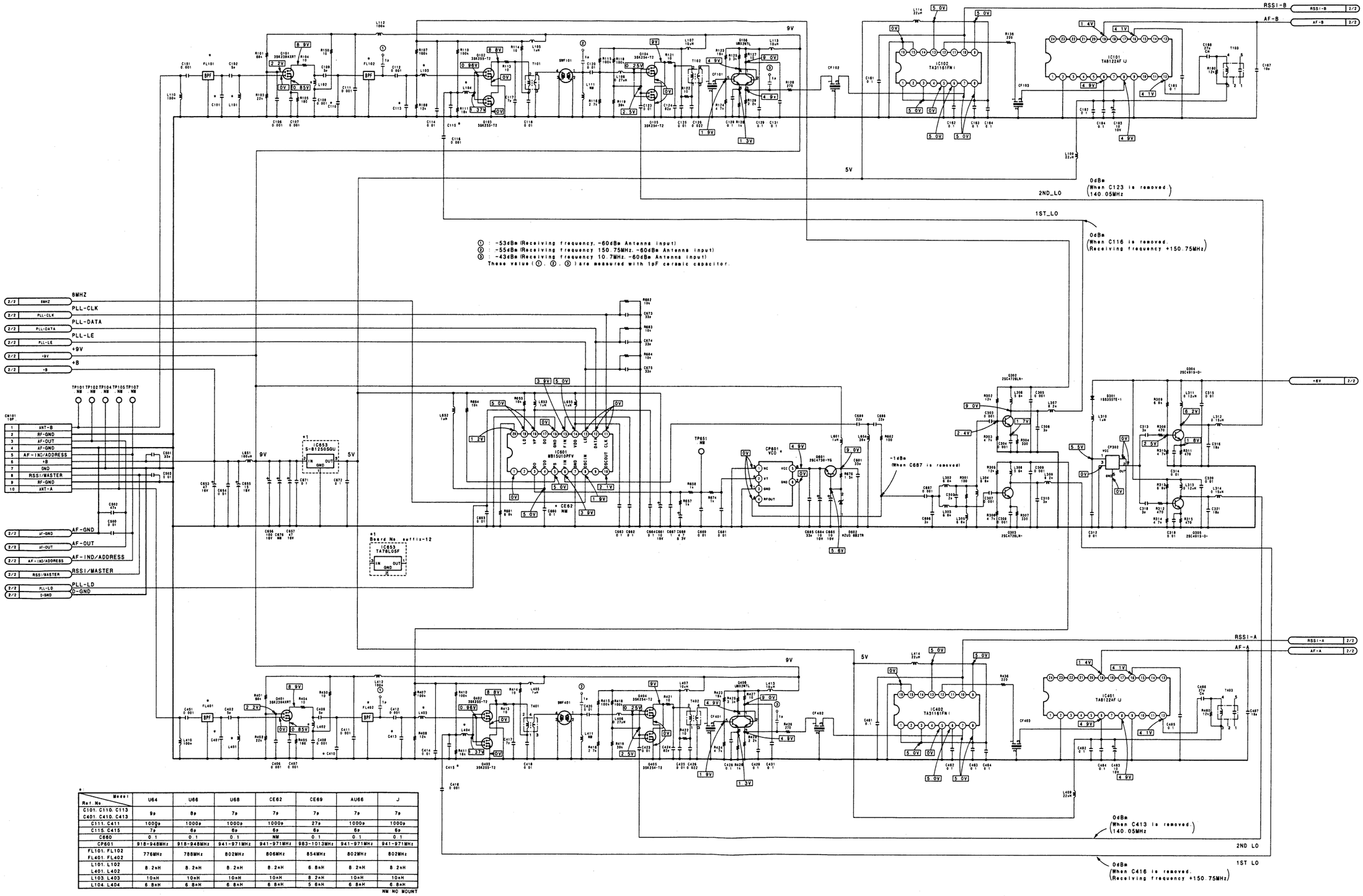
BOARD NO. 1-674-363-11

8-2. WRU-806A



DP-305
BOARD NO. 1-674-365-11

RF-92 (1/2)



Mode / Ref. No.	U64	U66	U68	CE62	CE69	AU66	J
C101, C110, C113 C401, C410, C413	9p	8p	7p	7p	7p	7p	7p
C111, C411	1000p	1000p	1000p	1000p	27p	1000p	1000p
C115, C415	7p	6p	6p	6p	6p	6p	6p
C660	0.1	0.1	0.1	NM	0.1	0.1	0.1
CP601	918-948MHz	918-948MHz	941-971MHz	941-971MHz	963-1013MHz	941-971MHz	941-971MHz
FL101, FL102 FL401, FL402	776MHz	788MHz	802MHz	806MHz	854MHz	802MHz	802MHz
L101, L102 L401, L402	8.2nH	8.2nH	8.2nH	8.2nH	6.8nH	8.2nH	8.2nH
L103, L403	10nH	10nH	10nH	10nH	8.2nH	10nH	10nH
L104, L404	6.8nH	6.8nH	6.8nH	6.8nH	5.6nH	6.8nH	6.8nH

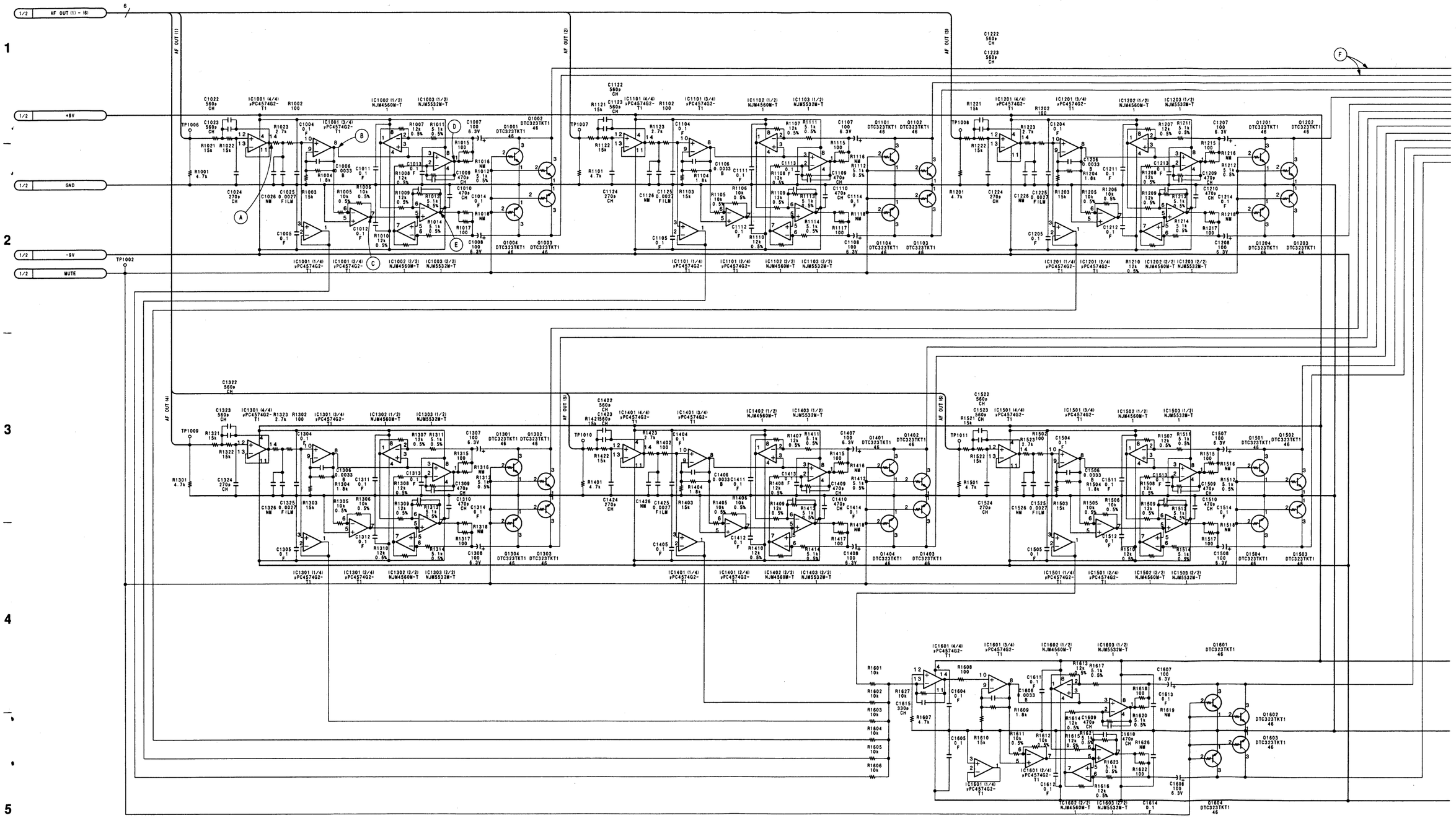
NM: NO MOUNT

RF-92 (1/2)

BOARD NO. 1-674-364-11

MB-806A (CE)
WRU-806A (CE, AU)

MB-871 (2/2), CN-1908

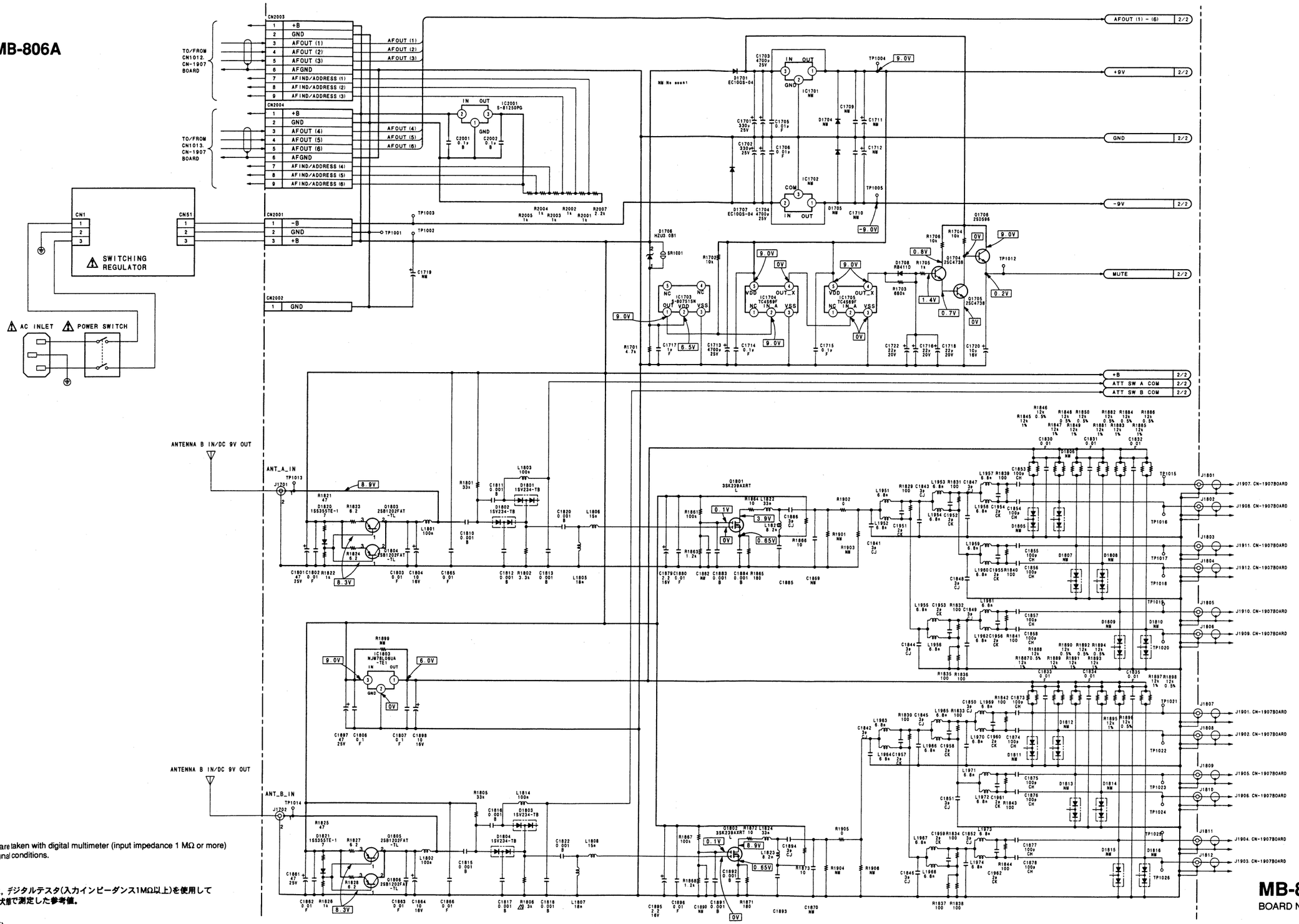


NOTE
- DC Voltage are taken with digital multimeter (input impedance 1 MΩ or more) under no-signal conditions.
- AF level value of AF out (2), (3), (4), (5), (6) blocks are same as AF out (1) block.

注意
- DC電圧値は，デジタルテスタ(入力インピーダンス1MΩ以上)を使用して無信号入力状態で測定した参考値。
- AF out (2), (3), (4), (5), (6)ブロックのAFレベル値は，AF out (1)ブロックに同じ。

Section 8
Schematic Diagrams

8-1. MB-806A



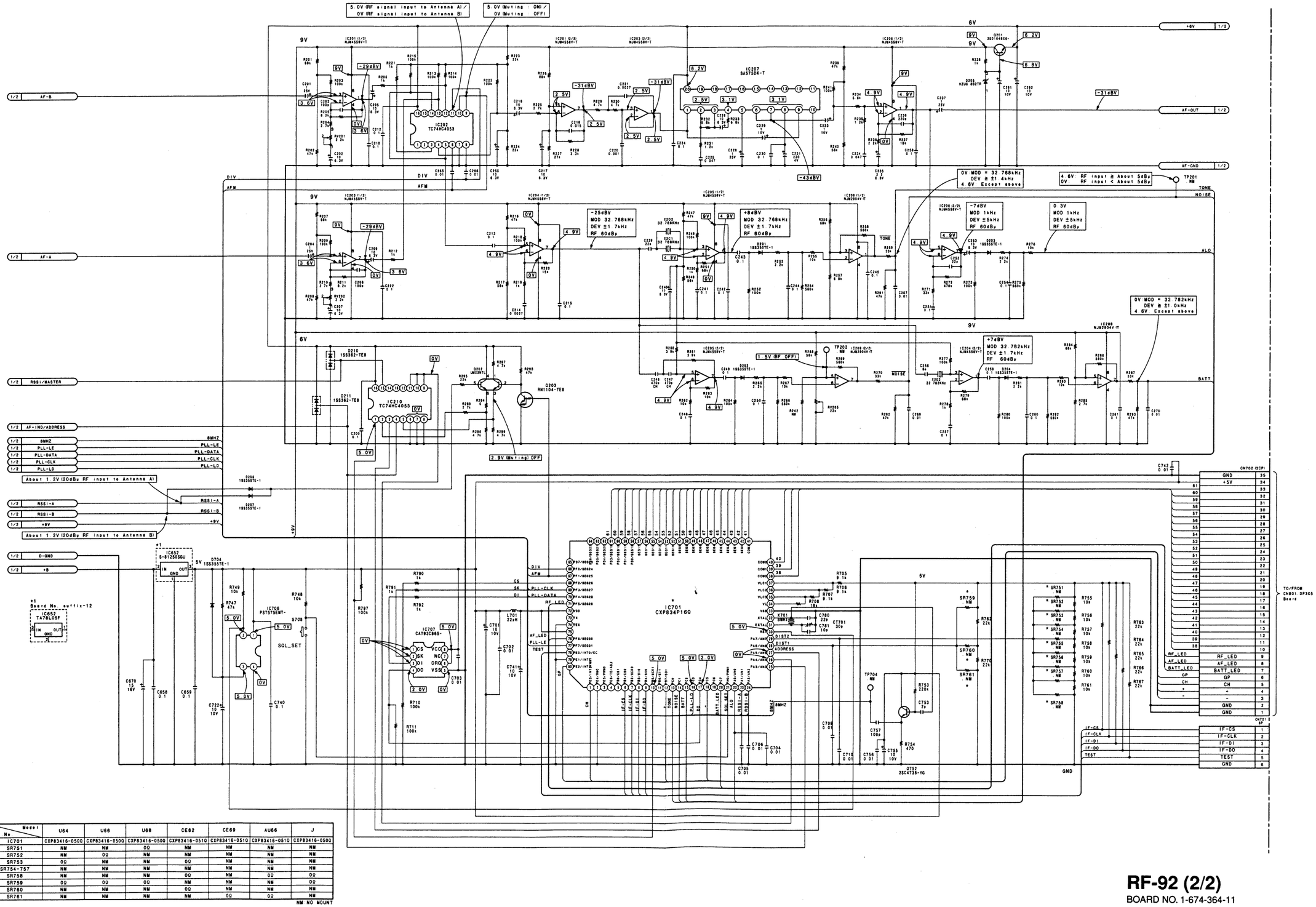
NOTE
- DC Voltage are taken with digital multimeter (input impedance 1 MΩ or more) under no-signal conditions.

注意
- DC電圧値は，デジタルテスタ(入力インピーダンス1MΩ以上)を使用して無信号入力状態で測定した参考値。

MB-806A (CE)
WRU-806A (CE,AU)

MB-871 (1/2)
BOARD NO. 1-674-361-11

RF-92 (2/2)



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Ref No / Model	U64	U66	U68	CE62	CE69	AU66	J
IC701	CXP83416-050Q	CXP83416-050Q	CXP83416-050Q	CXP83416-051Q	CXP83416-051Q	CXP83416-051Q	CXP83416-050Q
SR751	NM	NM	0Ω	NM	NM	NM	NM
SR752	NM	0Ω	NM	NM	NM	NM	NM
SR753	0Ω	NM	NM	0Ω	NM	NM	NM
SR754-757	NM	NM	NM	NM	NM	NM	NM
SR758	NM	NM	NM	0Ω	NM	0Ω	0Ω
SR759	0Ω	0Ω	0Ω	NM	NM	NM	0Ω
SR760	NM	NM	NM	0Ω	NM	NM	NM
SR761	NM	NM	NM	NM	0Ω	0Ω	NM

NM: NO MOUNT